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UNIVERSITY OF TORONTO

REPORT OF THE

BOARD OF GOVERNORS

FOR THE

YEAR ENDING 30th JUNE

1917

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THE LEGISLATIVE ASSEMBLY OF ONTARIO

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REPORT OF THE

BOARD OF GOVERNORS

FOR THE YEAR ENDING 30th JUNE, 1917

To His Honour the Lieutenant-Governor-in-Council:—

The Governors of the University of Toronto have the honour to submit their eleventh annual report, with which is incorporated the President's report upon the academic work of the University and its Colleges during the Session 1916-17, together with the reports of various departments. There is also appended the usual statement showing in detail the receipts and expenditures of the Board for the fiscal year ended 30th June, 1917, which has been duly audited as provided by the University Act.

During the year three of the Park residential ground leases fell in and were renewed for 21 years at figures representing considerable increases over the original rentals. Receipts to the extent of upwards of $87,000 also came to hand and were credited to Capital Account for release of the restrictions in respect to the use of frontages on the Avenues from Yonge Street and Queen Street. The proclamation by Your Honour of the remaining sections of the Act of 1913, Chapter 75, has greatly facilitated the dealings of the Governors with property owners on these Avenues, and negotiations are now pending with some of them for similar releases. A portion of the receipts from this source was invested by the Board in Dominion of Canada War Loan Bonds, which, since the close of the year, have been converted, with an additional investment, into twenty year bonds of the Victory Loan issue.

The gross revenue for the year was $862,608. The deduction of interest written to Scholarship and other Trust Funds, $7,855, left a net revenue of $854,753, which is a decrease of a little over $2,000 from the net revenue of 1915-16 ($856,870). The Board regard this result as very satisfactory in view of the fact that the decrease in revenue of 1915-16 as against the then preceding year was over $48,000, and having regard also to the continued shrinkage in fees of students. The receipts on this latter item only reached $188,425, as against $215,312 in 1915-16, $269,836 in 1914-15, and $274,938 in 1913-14, a drop of nearly $100,000 in the three years. Fortunately a special receipt of some $8,400 from accumulated earnings under the Naomi Bilton bequest of property on Yonge Street, which the Board were able to credit to revenue account in this year, and some increases in other items, offset the difference in fees with the result above stated.

The expenditure under the appropriations for salaries and maintenance was $946,447, an excess of $34,488 over that of the previous year, due partly to the increased cost of maintenance owing to the rapid rise in the price of materials and labour, and partly to the restoration to more normal expenditure of certain departments, e.g., the Library, which had been greatly reduced. There is also included the new item of the University College Women's Union, referred to in the last report, the maintenance of which, including the Lady Resident's stipend, amounted to $6,612, offset by receipts of $4,848 shown in the revenue statement.

The general deficit for the year was $91,694, which has been charged to the special grant of $100,000 voted by the Legislative Assembly. The difference, $8,306, together with the balance of $9,496 on hand from the special grant of the previous year renders $17,802 available towards the deficit of the year 1917-18.

All of which is respectfully submitted.

B. E. Walker,

Chairman.

Toronto, 30th November, 1917.

PRESIDENT'S REPORT

1916-17

To the Governors of the University of Toronto:—

GENTLEMEN,—I beg to submit the following report on the academic work of the University and University College during the twelve months ended June 30th, 1917.

The total staff of the University and University College numbered 392, of whom 57 were professors, 44 associate-professors, 20 assistant-professors, 70 lecturers and associates (in medicine), and 201 demonstrators, fellows and instructors with sessional appointments. They are distributed as follows:—

—	Professors.	Associate Professors.	Assistant Professors.	Associates.	Lecturers.	Other Sessional Appointments.
University (Faculty of Arts)	21	9	8	.....	23	45
University College	11	5	2	.....	11	2
Faculty of Medicine	15	23	.....	18	4	109
Faculty of Applied Science	8	3	9	.....	12	15
Faculty of Household Science	.....	2	.....	.....	2	4
Faculty of Forestry	1	.....	2 (1 in Univ.)	.....	1 (in Univ.)	.....
			Chief Instructors.	Assistant Instructors.		
Faculty of Education	1	2	6	17	.....	.....

The above figures include persons absent on military service whose appointments are continued on whole or part salary, or *pro formâ* without salary.

In Victoria College there were:

Professors (one in University)	11
Associate Professors	5
Lecturers	5

In Trinity College there were:

Professors	8
Lecturers	10*
Reader	1

(*2 on leave of absence.)

In St. Michael's College there were:

Professors	7
Lecturers	2

This year I have to record with regret the death of a large number of members of the staff active or retired. Though Dr. Brodie died after the close of the last academic year I referred in my previous report to the severe loss which the University had suffered in his removal from our midst.

On December 29, Dr. James Loudon died suddenly, though he had for some months given signs of declining health. He joined the staff of the University in 1864, became professor in 1875, president in 1892, and retired in 1906. Throughout this long period Dr. Loudon devoted his great gifts without stint to the service of his Alma Mater, and the value and results of his work are to be read in the history of the University throughout the generation that is now closing.

On December 28, Professor W. H. Fraser died after a long and painful illness. For thirty years he had been head of the department of Italian and Spanish and placed it in its present strong position. He was an accurate scholar, an excellent teacher, a careful administrator, and besides this as a graduate he was greatly interested in the welfare of his university.

Dr. Andrew R. Gordon, associate-professor of clinical medicine, died in January, having suffered from a painful and protracted disease which began when he was on service overseas with the No. 4 Canadian General Hospital (University of Toronto). Beloved by his colleagues and admired by his students as a clinician he passed away at the height of his powers regretted by all.

In recording the death of Dr. William Oldright and of Dr. J. L. Davidson I wish to express the high appreciation that the University has of the services which they performed while on the active staff and the sincere esteem in which they were held.

In May, Dr. G. W. Johnston, associate-professor of Latin, and in July, Dr. John Fletcher, head of the same department in University College, passed away. Both were graduates of this University and both served it well. Dr. Fletcher, never very robust since coming to Toronto, went in and out during these twenty-one years, a man greatly beloved, a scholar highly respected and a teacher remembered with gratitude by his students. Dr. Johnston died in his prime and none has left a finer memory for conscientiousness in all his work.

In December, Dr. A. B. Macallum, F.R.S., accepted the appointment to the Chairmanship of the Honorary Advisory Committee for Scientific and Industrial Research established by the Dominion Government. He has thus severed a connection with the University which had lasted for thirty-three years, during which time he won for himself an eminent position in the world of science, and was constant in his endeavours to promote high standards of instruction and research and the welfare of the University.

Dr. G. T. Northup resigned his position to accept an associate-professorship in Spanish Literature at the University of Chicago. It was with regret that the University parted with an excellent scholar and teacher.

Leave of absence for the year was granted to Professor Fletcher and Professor Toews on account of ill health, and to Mr. E. A. Dale to assist in the Latin Department of Queen's University.

The following promotions and new appointments were made during the year:

In the Faculty of Arts, G. S. Brett, M.A., Oxon., was promoted from a lectureship to a professorship in Philosophy; M. A. Buchanan, B.A., Ph.D., Chicago, was promoted from an associate-professorship to a professorship in Italian and Spanish; J. Home Cameron, M.A., was promoted from an associate-professorship to a professorship in French; J. A. Craig, M.A., McGill, B.D., Yale, Ph.D., Leipzig, was promoted from an associate-professorship to a professorship in Oriental Languages;

W. A. Parks, B.A., Ph.D., was promoted from an associate-professorship to a professorship in Palæontology; F. Tracy, B.A., Ph.D., Clark, was promoted from an associate-professorship to a professorship in Ethics; M. W. Wallace, B.A., Ph.D., Chicago, was promoted from an associate-professorship to a professorship in English; J. S. Will, B.A., was promoted from an associate-professorship to a professorship in French; L. Gilchrist, M.A., Ph.D., Chicago, was promoted from a demonstratorship to an assistant-professorship in Physics; J. Satterly, M.A., Cantab., D.Sc., Lond., was promoted from a lectureship to an assistant-professorship in Physics; W. H. T. Baillie, M.A., M.B., was promoted from a demonstratorship to a lectureship in Biology; E. J. Baumann, B.S., New York, Ph.D., Yale, was appointed Lecturer in Biochemistry; E. A. Bott, B.A., Ph.D., was appointed Special Lecturer in Philosophy; W. A. Clemens, M.A., Ph.D., Cornell, was appointed lecturer in Elementary Biology; Leon Feraru, L en D., Montpellier, was appointed Lecturer in French; W. S. Funnell, M.A., was promoted from an assistantship to a lectureship in Chemistry; G. E. Holt, M.A., Mus. Bac., was promoted from an instructorship to a lectureship in German; W. P. M. Kennedy, M.A., Dublin, Oxon., was promoted from an instructorship to a substitute lectureship in English and History; V. H. Mottram, M.A., Cantab., was appointed lecturer in Physiology.

In the Faculty of Medicine, A. Brodey, B.A., M.B., was appointed lecturer in Pharmacology and Pharmacy.

In the Faculty of Applied Science, W. H. Ellis, M.A., M.B., was appointed Dean; J. Watson Bain, B.A.Sc., was promoted from an associate-professorship to a professorship in Chemical Engineering; J. McGowan, B.A., B.A.Sc., was promoted from an associate-professorship to a professorship in Applied Mechanics; L. M. Arkley, M.Sc., was promoted from a lectureship to an assistant-professorship in Mechanical Engineering; J. H. Billings, B.A.Sc., was appointed Lecturer in Machine Design.

In the Faculty of Education, Frank Halbus, B.A., McMaster, was appointed instructor in the University Schools.

The following member of the staff delivered a course of lectures at Trinity College:

M. A. Mackenzie, M.A., Professor of Mathematics.

The total number of students registered in the University in 1916-1917 was 3,246, or apart from the Summer Session and Occasionals in Social Service, 2,624, distributed as follows:

Faculty of Arts	1,389
Faculty of Medicine	546
Faculty of Applied Science	196
Faculty of Education	397
Faculty of Forestry	10
Department of Social Service	287
Summer Session	355
Graduate Courses	80
Registered twice	14

These figures may be further analyzed as follows:—

FACULTY OF ARTS.

University of Toronto.

Candidates for Ph.D	26	
Candidates for M.A.	48	
Occasional Arts Students	24	
Veterinary Students	89	
		187

University College.

First Year	205	
Second Year	176	
Third Year	134	
Fourth Year	129	
Occasional Students	46	
		690

Victoria College.

First Year	90	
Second Year	87	
Third Year	58	
Fourth Year	71	
Occasional Students	29	
		335

Trinity College.

First Year	28	
Second Year	22	
Third Year	14	
Fourth Year	11	
Occasional Students	3	
		78

St. Michael's College.

First Year	75	
Second Year	45	
Third Year	21	
Fourth Year	27	
Occasional Students	5	
		173

Faculty of Medicine.

Candidates for M.D.	6	
First Year	116	
Second Year	86	
Third Year	78	
Fourth Year	94	
Fifth Year	23	
Students Returned from Overseas	73	
Dental Students	76	
		552

Faculty of Applied Science.

First Year	68	
Second Year	46	
Third Year	31	
Fourth Year	48	
Students of other Faculties	3	
		196

Faculty of Education.

Students registered	397	
		397

Faculty of Forestry.

First Year	3	
Second Year	1	
Third Year	1	
Fourth Year	5	
		10

Department of Social Service.

Students registered	287	
		287

Summer Session.

Students registered	355	
		355

Of the 3,246 students, 1,736 were men, and 1,510 were women. The women students were distributed as follows:—

Candidates for Ph.D.	3
Candidates for M.A.	12
Occasional Students in the University of Toronto	11
University College	363
Victoria College	181
Trinity College	44
St. Michael's College	55
Faculty of Medicine	39
Faculty of Applied Science	1
Faculty of Education	267
Department of Social Service	282
Summer Session	256
Registered twice	4
	1,510

The numbers examined in the different departments of the University, including those granted standing for military service, were as follows:

Arts:

Ph.D.	1
M.A.	29
Fourth Year	234
Third Year	231

Second Year	352	
First Year	337	
Senior Matriculation	100	
		1,284
Medicine:		
M.D.	4	
Fifth Year	22	
Fourth Year	15	
Third Year	57	
Second Year	69	
First Year	91	
Special War Session	74	
		332
Applied Science:		
Professional Degrees	3	
Fourth Year	43	
Third Year	27	
Second Year	37	
First Year	58	
		168
Education		335
Forestry		10
Law		10
Degrees in Pedagogy		22
Pharmacy		29
Music		8
Dentistry		220
Agriculture		31
Local Examinations in Music		611
Veterinary Science		7
Social Service		238

The degrees conferred were:

LL.D. (Honorary)	4	
D.Sc. (Honorary)	1	
Ph.D.	1	
M.A.	27	
LL.B.	7	
M.D.	1	
D.P.H.	3	
M.B.	100	
B.A.	225	
C.E.	3	
M.A.Sc.	1	
B.A.Sc.	50	
D. Pæd.	1	
D.D.S.	72	
B.S.A.	33	
B.Sc.F.	3	
Phm.B.	28	
B.V.S.	8	
Mus. Bac.	4	
		572

There were 622 fewer students registered in the University during the past session than in the previous academic year. It is interesting to observe that the number of women in attendance was almost exactly the same in both years. The registration of men students, however, cannot be taken as indicating the attendance during the course of the session, because voluntary recruiting during the earlier part of the year continued to exercise a strong influence upon the undergraduates and led to rapid and large enlistment, with the result that by the end of January there were not more than 1,100 men engaged in the regular work of the University. It is possible to give a more accurate report than in the earlier years of the war as to the condition of the University during the period when in normal times its activities are at their height, owing to the fact that in January, when the National Service campaign was under way, all students, men and women, were required to sign a card on which they indicated whether they would be willing to undertake some form of national service. At that time 1,027 men and 857 women signed cards, and of these over 1,200 signified their willingness to work during the summer. In addition there were medical students, many of whom were expected to follow during the summer the line of their professional career. I would call attention to the appended report on National Service.

As in the two previous years the session was shortened by three weeks and Commencement was held on May 18, the call for students to work on the farms being an additional reason for an earlier closing of the academic year.

Unfortunately the work of the University was seriously interfered with owing to the necessity, on account of lack of coal, of closing the main buildings from February 14 to March 5. It was possible, however, to heat some buildings and to keep the frost out of the laboratories. Arrangements were made for conducting many of the classes through the co-operation of friends of the University, and especial thanks are due to Principal Grange of the Veterinary College and Dr. Vogt of the Toronto Conservatory of Music, who placed several rooms at our disposal. The interruption proved to be less serious than was at one time anticipated, but it was a misfortune which is greatly to be regretted, and it has been provided against for the present session.

As was to be expected the academic work of the year has not been in most cases of the same quality as before the war. The spirit of the students was not as keen as in normal times; they were living in the midst of more or less distraction and the instructors felt the increasing strain of the war.

The work of the Board of Graduate Studies developed well during the year. Three of the four new fellowships, to which reference was made in my last report, were awarded, one each to a graduate from Manitoba, McGill and Toronto. The graduate fellowship established by the American Alumni Association was at their request given to the Department of Biochemistry. It is now evident that a large field for graduate work is opening up before this University, and that, if we afford reasonable opportunities, students will come from other parts of the Dominion to Toronto for graduate work.

The maintenance of the regular courses in the Faculty of Medicine was continued with greater difficulty than usual owing to the absence of so many members of the staff on active service. The difficulty was further increased by the action of the Faculty in undertaking to begin the fifth year classes in May, 1916, and continuing them with one month's intermission until December, 1916. This was done at the request of the military authorities in order to provide at the earliest moment qualified medical officers for new units. It was announced last year that the new six years' course in Medicine would begin in 1918, but the continuance of the war

has made it necessary to postpone the inauguration of the plan until one year after peace has been declared.

The most important feature in the work of the Faculty of Applied Science during the past year has been the initiation of a scheme of scientific research which has been authorized by the Senate of the University, and for which the Governors have secured special funds from the Government.

In the reports made to the Dean by the heads of departments in the Faculty of Applied Science there are several matters worthy of attention. Again, as for several years past, Professors Rosebrugh and McGowan refer to the condition of the Engineering Building. As it will be quite inadequate for the work to be done when numbers increase after the war, it is prudent to take immediate steps to plan for a building to replace it. Towards the end of last session and throughout the summer a large portion of this building was put at the disposal of the Royal Flying Corps. Arrangements have been made for the Corps to continue the use of rooms during the coming academic year.

The Department of Chemical Engineering is the only one in which there has been an increase in the number of students. This is accounted for by the great demand for chemists in war work.

Professor Guess carried out experiments for the Government in connection with the refining of nickel and the production of copper-nickel steels. For this purpose the Hon. G. Howard Ferguson arranged that a special chemist should be provided.

Owing to the need of better facilities for practical surveying the Board authorized Professor L. B. Stewart to report upon the possibility of securing a suitable piece of land in a part of the Province which is not adapted for agricultural purposes, in order that in the summer a course of instruction might be given during the last month or six weeks of the vacation.

In the spring of 1917 the Superintendent of Education forwarded to the President of the University a report as to conditions which he found on visiting the Faculty of Education. He complained that the staff was insufficient and that the accommodations were inadequate. The curriculum also he deemed unsatisfactory. The conditions as to the staff and accommodation have been remedied in part at least for the forthcoming session. In regard to the curriculum the Dean of the Faculty of Education has had many conferences with the Superintendent of Education and has introduced substantial changes.

A portrait of the late Mrs. Massey Treble was placed in the library of the Household Science Building by the staff, graduates and students as a tribute to her generosity towards and far-sighted interest in that department.

The University College Women's Union was opened last session under the direction of Miss Wrong as Resident Head. Though the work of the first year was tentative and the membership of the undergraduates voluntary, the Union has supplied a long felt want, the value of which to the College became so obvious that in the spring a petition signed by a large majority of the women undergraduates of University College was presented to the Board of Governors, asking that during the forthcoming year a compulsory fee should be authorized.

After careful discussion the Senate transmitted to the Board of Governors a recommendation that, beginning in the autumn of 1917, a system of compulsory military instruction and physical training should be established in the University for all men undergraduates proceeding to a degree.

The war activities of the University were continued on the lines of my last report. The number of those who have enlisted now stands at 4,052, made up as follows:—

Present members of the Staff:		
Officers	78	
Ranks	4	
Former members of the Staff:		
Officers	37	
Ranks	8	
		127
Graduates:		
Officers	1,848	
Ranks	346	
		2,194
Undergraduates:		
Officers	591	
Ranks	728	
		1,319
Education:		
Officers	25	
Ranks	108	
		133
Former Students:		
Officers	209	
Ranks	70	
		279

The following members of the staff, in addition to most of those mentioned in previous reports, were granted leave of absence for military or national service during the year:

A. H. Abbott, H. A. Bruce, L. Gilchrist, T. R. Loudon, H. H. Madill, G. H. Needler, J. H. Parkin, M. W. Wallace and C. R. Young.

The following graduates, past students and undergraduates have fallen in the course of the year:—

Thomas William Edward Allen, Arthur Stuart Anderson, Paul Lyndon Armstrong, Joseph Alburn Bassett, David Benjamin Bentley, William Alan Bishop, George Edward Bothwell, George Herbert Bowlby, Harold Staples Brewster, Albert Edward Bright, Russel Hubert Britton, William Percy Buchanan, Bruce Hosmer Acton Burrows, George Walter Call, Adam Peden Chalmers, William Lionel Charlton, Walter Henry Cooper, Stewart Cowan, Harry Lawrence Crowe, John Arthur Cullum, Basil Lancelot Cumpston, Oliver Gordon Dalrymple, Eyre Frederick Morton Dann, George Thorold Davidson, Gordon Parsons Davidson, Ernest Langford Davies, Harry Lyman Devlin, Douglas Dickson, George Clarke Duff, James Robertson Duff, Guy Peirce Dunstan, Harold Sylvester Edmonds, John Cecil Feeney, Hubert Jefferson Fenton, Victor Archibald Ferrier, George Rivers Sanderson Fleming, Gerald Galt, Ernest Richard Gilmer, Andrew Robertson Gordon, Thomas Edward Govenlock, William Henderson Gregory, William Teasdale Hall, Robert Gordon Hamilton, Webster Henry Fanning Harris, Charles Edward Harrop,

James Cuthbert Hartney, John Irvine Harvey, Norman John Harvie, Henry Stuart Hayes, William Henderson, Robert Home, Richard Horkins, Francis Carl Howard, Hugh Lloyd Hughes, Lincoln George Hutton, James Hamilton Ingersoll, Sinclair Beatty Johnston, Reginald Heber Manning Jolliffe, Herbert Jones, Ernest Reece Kappele, William Moses Kedey, Arthur Gerald Knight, Bertram Howard Landels, James Miles Langstaff, Henry Lawrence, Harry Erland Lee, Ayton Richey Leggo, William Eric Lockhart, Harold Lamont Longworthy, Sidney James Luck, Robert Blaney McGuire, Gordon King McKendrick, Walter Wake McKenzie, Arthur Edward McLaughlin, Stuart MacDonald MacPherson, Henry Lawrence Major, Aubrey Milton Marshall, Ivan Bernard Marty, George Geoffrey May, John Redmond Walsingham Meredith, Albert Von Holt Michell, Richard Arthur Mitchell, John Roy Mitchener, Edward Clarence Morgan, Basil Menzies Morris, Charles Alexander Moss, Harold Gladstone Murray, Harry Reid Nicholson, James Henry Oldham, John Anthony Ninian Ormsby, George Reginald Parke, Robert Douglas Patterson, Thomas William Parker Peacock, Gordon Mackenzie Pearce, Horace Pearson, Thomas William Penhale, Stanley James Pepler, Frederick Charles Peppiatt, Cecil Victor Perry, Valentine Ralph Pfrimmer, Matthew Rae, William Emsley Raley, Ellis Vair Reid, William Percy Richings, Rupert Elwyn Rivers, Frederick Gundy Scott, William George Stanley Scott, John Edward Sharman, Jeffrey Filder Smith, Robert Wade Smith, Geoffrey Allan Snow, James Mitchell Souter, Gordon Hamilton Southam, Ernest Zavitz Stirrett, Jeffrey McVicar Strathy, Edmund Rochfort Street, Frederic Gustavus Stupart, Charles Elliot Sutcliffe, Frederick Ivanhoe Taylor, John Sanford Taylor, Charles Everett Thompson, Bernard Freeman Trotter, Reginald David Turnbull, Elfric Ashby Twidale, Thomas Newell Vickers, Stanley Maxwell Vogan, Stanley Arthur Walker, Hugh Douglas MacIntosh Wallace, Gerald Edwin Wells, Kenneth White, James Leroy Whitside, Russell Williams, William Robert Wilson, William James Withrow, John Robinson Woods, Osmund Bartle Wordsworth, Benson Wright, Harold Verschoyle Wrong.

The following are missing or prisoners of war: Arthur Stanley Bourinot, Harold Edward Bridge, Arthur Harold M. Copeland, Albert Edward Cuzner, Charles Glover, Walter Reuben Wigmore Haight, Robert Bloomer Hare, Alfred Holmes, Harry Stephen Murton, J. Potvin, Adam Watson Sime, Lorne Snyder, Cornelius Innes Van Nostrand, Everett Lawrence Wasson, George Roy Webber, Frank Herbert Wood.

A very large number of distinctions have been conferred upon members of the University on active service which are an evidence of their splendid qualities as soldiers and as men. Details will be given in the Roll of Service which is soon to be published.

After a long period of waiting due to the vicissitudes of war, No. 4 Canadian General Hospital (University of Toronto) has arrived (in September) in England from Salonica and has been stationed under the command of Lt.-Colonel W. B. Hendry, D.S.O., at Basingstoke in Hampshire. Two winters and two summers in Salonica tested the qualities of the Hospital staff very thoroughly and they stood the test with conspicuous success. The Hospital was asked by the authorities to undertake a particularly arduous duty, which they performed to the satisfaction of those who sent them and of their patients, and the high quality of their work is indicated by the conferring of the C.B. upon Colonel J. A. Roberts and the D.S.O. upon Lt.-Colonel W. B. Hendry.

The Women's Hospital Supply Association, which has been such an effective auxiliary to the Base Hospital and has contributed large gifts to the Red Cross, continued its work during the year. Any requirements of the Hospital which may be occasioned by its transfer to England will be immediately met.

At the opening of the Michaelmas term it was decided to organize the Canadian Officers Training Corps temporarily into four platoons until it was seen what the enrolment would be, and to make the instruction applicable to first year men. Academic credit was allowed only to these and to such men in other years as had not hitherto drilled with the corps, but others were encouraged to take the drill as well. Instructional classes were organized according to the syllabus for Certificate "A" as well as classes in Signalling for any who wished to qualify for that branch of the service. The entire enrolment was 524, viz., 11 company officers and 513 rank and file, of whom 85 had been members in the previous year. The signalling class numbered 36.

Under the offer from the British War Office for candidates for commissions in the British Army, five drafts, amounting to 130 men, were organized and despatched during the year, and from reports received from time to time it is evident that these men are bringing honour to the University.

The work of the Overseas Company of the Canadian Officers Training Corps, under the command of Major Needler and Captain Wallace, has gone forward with great success. Their headquarters are in Burwash Hall, and they are organized for the purpose of training junior officers, the majority of whom take commissions in the British Army. The following statistics will give a general idea of the scope of the Company's work:—

Men sent to England as candidates for Imperial Commissions..	259
Men sent as cadets or officers in Royal Flying Corps	54
Men sent as cadets or officers in Royal Naval Air Service	21
Men who have secured commissions in C.E.F.	16
Men who have become N.C.O's in C.E.F.	17
Men transferred to C.E.F. as privates	12
Men discharged as medically unfit	16
Deceased	1

No. 67 Battery (University of Toronto) spent last winter at Exhibition Camp and in the spring moved to Petawawa Camp. The Commanding Officer was Captain Orde, B.A., of Trinity College, who has had a great deal of active service in France and in Mesopotamia. Under Captain Orde the Battery reached a high state of efficiency, but unfortunately his health has given way and it has been necessary for him to resign his position. The new Commanding Officer is Captain B. E. Cawley, of Trinity College and the Faculty of Applied Science.

Professor G. O. Smith was appointed by the Board of Governors to prepare and publish a Roll of Service, which is to contain the names of all present and former members of this University who have enlisted for active service. As may be readily understood this undertaking involves a great deal of work, but it is hoped that the Roll will be issued in the month of November, 1917.

Last winter an extremely promising piece of work was begun under the direction of Dr. E. A. Bott, of the Psychological Department, in the way of the re-education of disabled returned soldiers. The work has expanded rapidly and has been taken over by the Dominion Hospitals' Commission with Dr. Bott still in charge, but with assistance from members of the medical faculty and others. In the spring it was transferred to much larger quarters in Hart House, where through the contributions of generous friends extensive apparatus has been prepared and a large number of soldiers have been treated.

The work of the Antitoxin Laboratory in the manufacture of tetanus antitoxin and other sera for the army has been continued uninterruptedly throughout the year.

In October, 1916, when the general contribution was being raised for the British Red Cross, the University, its Colleges and Hospitals contributed $5,782, of which $3,862 came from the staff and $1,920 from the students. Also, in January, 1917, the University contributed $14,325 for the Toronto and York County Patriotic Fund.

Professor and Madame Ledoux, who came to us from the University of Brussels, continued to be the guests of the staff of the University.

The Provisional School of Infantry and the School of Musketry for Military Division No. 2, the work of which has been largely performed by members of the University staff, occupied quarters in the University during the winter months.

At the request of the Royal Flying Corps, rooms in the old School of Science building, the Examination Hall and two of the three men's Residences, together with the Dining Hall, were set apart for their use during the spring and summer.

On the entrance of the United States into the war the President sent a letter of greeting to each graduate of the University living in the United States. Many answers were received which were interesting as showing how strongly our graduates approved of the action of President Wilson in placing his country actively on the side of the Allies.

Two noteworthy Convocations were held during the academic year, the first on January 23, when the degree of Doctor of Laws was conferred on His Excellency The Duke of Devonshire, Governor-General of the Dominion. Since his arrival in the country His Excellency has visited the University on several occasions, and, as was to be expected from one who is the Chancellor of the University of Leeds, he has evinced great interest in our work.

The second Convocation, which was held on May 26th, was memorable as being the occasion on which the degree of Doctor of Laws was conferred upon the Right Honourable Arthur James Balfour, who visited Toronto in connection with his mission to the United States.

In January the University shared with the City in offering a welcome to members of the "Bonne Entente" from the Province of Quebec, and held a special convocation at which an honorary degree was conferred upon Sir George Garneau. As a mark of appreciation of the way in which they were received, the visitors on their return home sent the University a cheque for $1,000 to establish "The Bonne Entente Prize."

In commemoration of the 50th anniversary of the Federation of the Dominion of Canada a series of lectures was delivered in the month of March in the University. The lecturers and subjects were as follows:

"The Creation of the Federal System in Canada," by George M. Wrong, Professor of History in the University.

"Some Political Leaders in the Canadian Federation," by Sir John Willison, LL.D.

"The Working of Federal Institutions in Canada," by Z. A. Lash, K.C., LL.D., sometime Deputy Minister of Justice.

"The Quality of Canadian Life," by R. A. Falconer, C.M.G., President of the University.

Following on these another series was delivered on the general theme "Women and Citizenship." The lecturers and subjects were:—

"The Duties of Citizenship in Canada," by Professor G. M. Wrong.

"Democracy and Human Nature," by Professor W. S. Milner and Professor M. W. Wallace.

"The Formation of Public Opinion," by Professor R. M. MacIver.

"Some Problems of Government," by N. W. Rowell, Esq., K.C.

"The Machinery of Provincial Government," by Sir William Hearst, K.C.M.G., LL.D.

On November 10th Professor Jacques Loeb, of the Rockefeller Institute for Medical Research, New York, delivered a lecture on "Adaptation," and on January 30th, Professor Gustave Lanson, of the University of Paris, delivered a lecture on "Les traits essentiels et caractéristiques de l'esprit français."

Mr. Mouré has kindly continued his work in connection with the providing of recitals upon the organ, which were as follows:

Mr. F. A. Mouré, Bursar of the University (5 recitals).

Mr. Arthur H. Egg, F.R.C.O., Montreal.

Mr. G. H. Knight, Mus. Bac., Toronto.

Mr. T. J. Palmer, A.R.C.O., Toronto.

Professor F. B. Stiven, Oberlin College, Ohio.

Unfortunately the coal scarcity necessitated a premature closing of the series. Since the organ was installed five years ago seventy-two public recitals have been given, of which Mr. Mouré has contributed twenty-four.

Through the kindness of Mr. Crane, of New York, a concert was given in Convocation Hall on May 1st by the Choir from the Russian Cathedral of New York.

Again it is a pleasure to record benefactions which the University has received during the year. Mrs. H. D. Warren has continued the payment of the salary of the Director of Social Service. Sir Edmund Osler, Sir Joseph Flavelle, and Colonel Leonard have contributed the four fellowships of $500 each for postgraduate work, and the American Toronto Alumni a fellowship for the same amount. Colonel A. E. Gooderham has nearly completed the laboratories for the manufacture of antitoxins and sera. Dr. S. Cummings, of Toronto, has presented a very valuable X-ray apparatus to the Physical Laboratory. A legacy of one thousand dollars has been received to institute a Scholarship to be known as the George R. R. Cockburn Scholarship. Dr. Alexander Hamilton has donated $800 to establish the Alexander Edwin Hamilton Library Fund. To the Medical Research Fund the following gentlemen have continued their handsome contributions: Sir John Eaton, Sir Edmund Osler, Colonel R. W. Leonard, J. L. Englehart, Esq., and Z. A. Lash, Esq., K.C. Special gifts are recorded in the following reports.

All of which is respectfully submitted.

ROBT. A. FALCONER,
President.

November 8th, 1917.

APPENDIX A.

(1) Report of the Principal of University College.
(2) Report of the Dean of the Faculty of Medicine.
(3) Report of the Dean of the Faculty of Applied Science.
(4) Report of the Dean of the Faculty of Forestry.
(5) Report of the Dean of the Faculty of Education.
(6) Report on National Service.
(7) Report of the Librarian.
(8) Report on University Extension Work.
(9) Statement regarding the Biological Museum.
(10) Statement regarding the Geological Museum.
(11) Statement regarding the Palæontological Museum.
(12) Statement regarding the Mineralogical Museum.
(13) Report on Medical Research Fund.
(14) Report of the Director of the Antitoxin Laboratory.
(15) Report of the Director of the Courses in Social Service.
(16) Report of the Physical Director.
(17) Report of the Superintendent of the Dining Hall.

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(1) Report of the Principal of University College (Professor Hutton).

The following figures show the number of students of University College taking the different courses which the College Curriculum offers during the present session:

1916-1917 students in University College were enrolled as follows:

—	Latin	Greek	Ancient History	English	French	German	Ethics	Orientals
First Year—								
Pass	112	8	82	114	99	45	25	12
Honour	22	3	23	48	43	37	.....	.....
Second Year—								
Pass	70	2	.....	120	110	42	41	6
Honour	8	6	22	42	39	35	.....	1
Third Year—								
Pass	12	3	10	68	46	16	47	2
Honour	3	4	2	29	25	19	.....	1
Fourth Year—								
Pass	4	4	10	67	34	15	42	.....
Honour	6	7	4	28	19	19	.....	1
Totals—								
Pass	198	17	102	369	189	117	153	20
Honour	39	20	51	147	126	110	.....	3

A second table shows the number of men and women registered in University College for each year of the course:

University College.

Registration of students was as follows:

1915-1916— October	Men.	Women.	Total.
1st Year	167	113	280
2nd Year	111	85	196
3rd Year	70	85	155
4th Year	72	83	155
Occasionals	33	20	53
	453	386	839

1916-1917— October	Men.	Women.	Total.
1st Year	98	99	197
2nd Year	80	90	170
3rd Year	42	74	116
4th Year	30	82	112
Occasionals	25	18	43
	275	363	638

March 1, 1917—	Men.	Women.	Total.
1st Year	96	98	194
2nd Year	85	91	176
3rd Year	51	80	131
4th Year	41	80	121
Occasionals	27	22	49
	300	371	671

It goes without saying that the figures show a further falling off in the attendance of men owing to the continuance of the war: the attendance of women shows a slight decrease of fifteen as compared with last year. Nevertheless, for the first time in the history of the College the number of women undergraduates is considerably in excess of the number of men. Of the freshman class of last October, as well as of the other classes then registered, some have already withdrawn themselves for enlistment for overseas service; others have joined the Canadian Officers Training Corps. The figures in the above tables included—so far as the men are concerned—those who have enlisted for service abroad.

Perhaps the most satisfactory feature of this year of interregnum so to speak, this year, during which the College is marking time in a sense, has been the opening of the Women's Union at 85 St. George Street for the women undergraduates of University College.

The admission charge has been for this year voluntary and has been placed at five dollars. The admirable management of the Union by Miss Wrong and the intrinsic advantages which it offers to women students have combined to bring a large membership and a good balance sheet. It appears probable that a smaller yearly charge for membership would be sufficient if all students of the College belonged, and a large majority have accordingly petitioned the Governors to change the membership from a voluntary to a compulsory basis and the charge from five to three dollars. Among the few students who do not already belong are some, who, in my judgment, are likely to derive special benefit from membership. The advantages of the Union, it should be added, have been enhanced by the kindness of Miss McCormick, who has given four hundred dollars for the equipment of the club house with additional furniture.

The Department of Latin has suffered—but less than it would have suffered in any other year—by the serious illness of Professor Fletcher and Dr. Johnston.

Professor Oswald Smith and Mr. Duff have taken over this work with some assistance from Victoria. The difficulty of handling the large Latin classes in the first and second years was further aggravated by the coal shortage, which involved the closing of the College building—the main building—for nineteen days.

The classes in French also suffered a little from this cause, but in both departments the greater part of the work was maintained in Professors' houses, in Queen's Hall, and its annexes, and by the kindness of Principal Crawford, in the University School. The other classes and all honour classes were carried on without interruption in every department of the work of the College wherever the war has left with us even a handful of students. A few classes, always small, have disappeared entirely through enlistment.

(2) Report of the Dean of the Faculty of Medicine (C. K. Clarke, M.D.).

The year has been a disturbed one, as is no doubt the case in every department of the University, and war conditions have made it difficult to carry on the work as carefully and thoroughly as could be desired.

At the request of the Department of Militia a summer session was organized and seventy-five students in the fifth year registered. The majority of these graduated in the early winter and at a special Convocation on December 11th all of those who had volunteered for overseas service had their degrees conferred on them, and went on military service immediately.

The work involved in giving this special course was a great tax on the teachers, who have assumed the burden with a cheerfulness that must receive a warm tribute from those at the head of affairs. It meant, of course, that these teachers had to give up a great part of their summer holiday.

We had 117 students register in the first year as against 137 a year ago. This proves that the interest in the profession of Medicine has not been affected in the same way as has been the case in some of the Faculties.

The total number of students, too, has dropped from 527 to 474. This has been caused of course by the demands being made all the time for recruits.

The tendency of the military authorities is to discourage recruiting among the medical students, as the demand for young graduates is most difficult to meet.

A number of junior men are enlisting this year, as is usual in the spring, and the Navy seems to attract many of them. Some twenty students of the Third and a few of the Fourth Year have enlisted as Surgeon Probationers in the Navy.

Two of the professors who were on active service have died. Professor T. G. Brodie, the brilliant Physiologist, who was such an ornament to the University of Toronto, both on account of his professional and his personal qualities, died in England on August 20th, 1916. It will be a most difficult matter to replace this distinguished gentleman.

Professor Andrew R. Gordon, Associate in Clinical Medicine, who was taken ill on active service in England, died, after a long illness, on December 16th, 1916. No one in the Faculty was more beloved and admired than Professor Gordon. He was a most careful and thorough teacher and his influence for good among the students can scarcely be calculated.

The appointment of Professor A. B. Macallum to the Chairmanship of the Honorary Advisory Council for Scientific and Industrial Research makes another serious gap in our ranks. Professor Macallum has, in all probability, more influence with the student body than any one of the staff, and his departure is regretted by all those who knew his true worth and appreciated his many great qualities. While we rejoice in his promotion we regret his departure.

(3) REPORT OF THE DEAN OF THE FACULTY OF APPLIED SCIENCE AND ENGINEERING (DR. W. H. ELLIS).

I beg to submit the following report on the work of the Faculty of Applied Science and Engineering during the past academic year.

The number of students registered in the Faculty in 1916-17 was 194, distributed as shown by the following table:—

First Year Undergraduates	68
Second Year Undergraduates	47
Third Year Undergraduates	31
Fourth Year Undergraduates	48
	194

Of these, 157 completed the year and 24 enrolled for active service overseas. Mr. J. S. Mitchell, Demonstrator in Applied Mechanics, enrolled as a Lieutenant with the Canadian Engineers, and is now at Crowborough, England.

The work of the C.O.T.C. was carried on upon more restricted lines during the session, it being decided by the authorities at the opening of the Michaelmas term to limit the instruction to First Year men, and men who had not drilled in previous years, although any others who wished were allowed to take the training. In all 86 students were enrolled in K Company under the command of Lieut. W. M. Treadgold, which number was considerably reduced before the end of the session through enlistments.

In March arrangements were made for the Cadet Wing of the Imperial Royal Flying Corps to be provided with space for their staff of instruction as well as for practical work and lectures in the Engineering Building. Some of the instruction was also given in the Thermodynamics Building and later on elsewhere in other University buildings. This involved turning over to the Royal Flying Corps a considerable part of the Engineering Building, an arrangement which was possible owing to the large reduction in our attendance due to the war and the approaching end of the session. During the period from March to June, in addition to the work of the regular staff of military instructors, voluntary assistance was given by Professor Anderson in Photography, Professor Angus in Internal Combustion Engines and Professor Roseborough and Mr. J. P. Henderson, of the Department of Astro Physics, in Wireless Telegraphy. Mr. J. Patterson, of the Meteorological Observatory, also lectured to the cadets on Meteorology in the Engineering Building. Later on the work of instruction in the Royal Flying Corps, under Major Fisher, became known as the School of Military Aeronautics. It soon became apparent that the Royal Flying Corps would require to continue their work during the coming session. Arrangements were accordingly made to fit in these space requirements along with those of this Faculty to the best mutual advantage. This is substantially the condition up to the present time.

The Council of the Faculty appointed a committee to consider how best the University, and in particular the Faculty of Applied Science, could assist in scientific and industrial research. This committee brought in on April 10th the following report which was adopted by the Council and subsequently approved by the Senate:

It is proposed that there be established within the Faculty of Applied Science and Engineering a "School of Engineering Research," whose functions would include:—

1. Intensive prosecution of scientific investigations on problems bearing on or suggested by the industries of the country.

2. Scientific research on problems of fundamental character, the sort of inquisitive research that may lead to new knowledge, the commercial application of which may or may not immediately appear.

3. Training in research methods and resourcefulness of chosen graduates from our various departments by engaging them for a period to co-operate in the work of the School of Engineering Research.

4. Encouragement of our undergraduates by a new incentive, to be able to qualify for advanced work in engineering research, into which they see the best qualified graduates are invited.

5. Attraction of qualified men of experience in industries to undertake special problems in the solution of which a certain type of experience may be an essential asset.

6. Publications in bulletins, and scientific and industrial periodicals.

In accordance with this report the School of Engineering Research was organized and the Committee of Management appointed, consisting of the Dean of the Faculty, Profs. Anderson, Angus, Arkley, Bain, Boswell, Gillespie, Guess, Haultain, Laing, McGowan, Price, Roseborough, Stewart and Wright.

Several researches have been begun and are still in progress.

(4) Report of the Dean of the Faculty of Forestry (Dr. B. E. Fernow).

At the beginning of the session only ten students registered, three of whom were new entrants, the others returned; one of these returning from England had been crippled in the air service. At the end of the session only eight remained, one having withdrawn on account of sickness, another having enlisted, the others, except two from foreign countries, having failed of acceptance for military service.

The courses of instruction were kept up as usual. The fall practice camp was located at Thor Lake, Ontario, with the six students of the third and fourth years, under the charge of Professor Millar, and the regular biennial practice work at the Provincial Nurseries was also attended to with four students.

Only three students passed to the degree, and one, having enlisted before the end of the year, has his degree deferred.

It is of interest to note that nine former students enlisted in the various Forestry Battalions and have been found most useful in superintending logging and milling operations in Great Britain and France, besides finding opportunity of making forest surveys, maps, volume tables, increment studies, and performing other real forestry work.

Of the seventy-two graduates and former students known to have enlisted in all services, at this date (May 1) ten have unfortunately lost their lives at the front, and a number have been wounded and crippled. Owing to this large withdrawal from the small contingent of technical men, the forest services of the Dominion and British Columbia, undermanned before, have been badly crippled, and are more or less at a standstill.

While the war lasts no changes in the course of instruction and improvement in the facilities of the Faculty are indicated. I wish, however, to repeat my recommendation of re-organization intimated in my last two years' reports. Such re-organization contemplates an increase in staff, an increase in entrance requirements, a permanent practice camp, and an extension of study time to utilize such a camp to full advantage.

(5) Report of the Dean of the Faculty of Education (Dr. W. Pakenham).

The number of students registered in the Faculty of Education during the past session (397) compares, not unfavourably, with the registration in the previous year (437). The number of women students in the regular course increased in the same time from 236 to 247 despite the war. On the other hand, the number of men students decreased from 107 to 72.

The primary duty of the Faculty of Education is to train teachers for the schools of Ontario. These schools respond quickly to new social and industrial demands. Their history during the last decade is a story of new equipment, new methods, new subjects or new contents for old subjects. It is obvious that the Faculty of Education should not continue to train teachers in the same way as it did ten years ago. There must be changes in its equipment, organization, and curriculum. There must be more lecture rooms, smaller classes, more instructors, and a greatly modified curriculum. Some of these changes will be effected, it is hoped, before the opening of the session of 1917-18.

While it is a primary duty of the Faculty of Education to train teachers for Ontario schools, it is not an unimportant duty to develop public interest in education and to encourage investigations into educational problems. It should offer, therefore, advanced work in professional education. In this connection the registration of 22 students from other Provinces than Ontario is significant. Significant also is the registration of 22 experienced teachers in the courses for degrees in Pedagogy and of 20 in the Summer Courses in Advanced Education.

Although these are trying times for all professional journals, *The School* continues to prosper. At the close of the session its circulation was 5,000.

As the year closed the Faculty of Education suffered a very grave loss in the death of Principal Groves of Ryerson School. As Principal of Ryerson School, Mr. Groves supervised for ten years a large part of the practical work of the Faculty of Education. For three years he gave instruction in Methods in Public School Subjects, and for seven years in School Management. This is not the place to refer to Mr. Groves as a great teacher and school administrator. In these capacities he served the City of Toronto long and well. The staff of the Faculty of Education may bear testimony, however, to his worth as a trainer of teachers. He was an unwearied and loyal colleague. Long service in the school room and a sound judgment gave him wisdom in counsel. He was too busy to be patient with theories. In the wear and tear of forty years in the school room he did not lose his enthusiasm for teaching and teachers, and this enthusiasm was perhaps his greatest gift to student-teachers.

The success of the Faculty of Education is dependent upon the character of its practice-schools. The University Schools are efficient. A report by the Headmaster is appended.

Memorandum on The University Schools by the Headmaster.

The results of the Matriculation examinations for 1916 again proved the industry of the students and the efficiency of their teachers. Complete Matriculation was obtained by 50 boys, of whom 12 were passed on the recommendation of the staff on account of enlistment. Fourteen others secured partial matriculation. In the Honour examination, 19 boys obtained among them 82 honours, 26 of these being first-class. We were particularly fortunate in the scholarship examinations, 3 boys ranking for 17 scholarships. R. B. Horwood won the First General Proficiency and

Prince of Wales prize, ranking for 9 other scholarships, including the first in Classics. R. B. West was awarded the Fourth Edward Blake Scholarship in General Proficiency, and ranked for three others. W. H. Noble was awarded the second scholarship in Mathematics and Moderns, and ranked for two others. The School, in thus winning the Prince of Wales prize for two years in succession, has set a record which it will be difficult to equal.

The register of attendance in September, 1916, showed an undiminished total. War conditions have, however, just as last year, somewhat lessened the number during the year. Already nine boys have enlisted and five others intend to do so, if the results of the matriculation tests now in progress at the school are favourable. About forty have expressed the wish to enter farm service this summer, and a number of others will join the ranks of the workers in munitions. The patriotic spirit of masters and boys has also been shown in the liberal contributions to the British Red Cross and the Patriotic funds.

The roll of U. T. S. masters and boys on active service now contain about 250 names. Of the four masters enlisted, Lieutenant H. G. Manning was severely wounded and is now on sick leave, while of the boys twelve have lost their lives. The record also shows four decorated for valour.

Notwithstanding the fact that the "great game" has practically denuded the School of those of military age, the athletic sports have been carried on with spirit. Nearly 300 took part in the sports of Field Day, and 81 entered in the cross-country run. This shows that the policy of the school in encouraging the active participation of the largest number in sports is achieving results, despite the lack of adequate playgrounds and of the long-desired gymnasium. The most notable achievement in athletics during the year stands to the credit of the hockey team, which, for the first time in the history of the school, competed in the O.H.A. Junior Series.

In December the annual reception to parents was held and was very successful. The guests included not only about 600 of the parents and friends of the boys, but also many representatives of the Imperial Order of the Daughters of the Empire, who came to view the splendid gallery of historical paintings, the gift of the Order. December was also signalized by the second publication of "The Annals of the University Schools." This issue covers the progress of the School for the past two years, and emphasizes the part played by the School in the war. Copies were sent to all the boys who had enlisted. Credit for its success is due to the committee in charge of the work, and in particular to the editor, Mr. J. O. Carlisle, and the Chairman, Mr. J. T. Crawford.

(6) The President's Report to the Senate on National Service.

To the Senate of the University of Toronto:

In accordance with the instructions of the Senate the National Service Card was issued and announcement was made that every student, man or woman, in the University must fill in one and return it to the Registrar or Secretary of the respective College or Faculty not later than January 31st. I am glad to announce that nearly all students of the University in attendance have returned cards with the questions answered.

The number of students who signed cards is 1,884—1,027 men and 857 women, made up as follows:

	Men.	Women.
Faculty of Arts—		
University College	234	335
Victoria College	87	172
Trinity College	21	41
St. Michael's College	99	47
Faculty of Medicine	335	30
Faculty of Applied Science	182	1
Faculty of Education	59	291
Faculty of Forestry	10	...

Of men who have offered for military service but have been rejected there are in the

Faculty of Arts	80
Faculty of Medicine	89
Faculty of Applied Science	39
Faculty of Education	6
Faculty of Forestry	5

Of men who have not offered for service and whose health is only fair or who have some physical defect there are in the

Faculty of Arts	123
Faculty of Medicine	66
Faculty of Applied Science	44
Faculty of Education	14
Faculty of Forestry	1

Of men students under the age of 18 there are in the

Faculty of Arts	44
Faculty of Medicine	8
Faculty of Applied Science	6

Of those who have offered to enlist and those whose health is only fair 215 have offered to do work in national service:

	Agri.	Mun'tns.	Either.
Faculty of Arts	41	66	..
Faculty of Medicine	21	28	7
Faculty of Applied Science	4	32	..
Faculty of Education	4	5	2
Faculty of Forestry	..	4	1
	70	135	10

Of men of all classes in the University there are 617 who are prepared to do national service in agriculture, munitions, or in some other employment.

With regard to the Faculty of Applied Science it must be borne in mind that no chemists or those competent to do wireless telegraphy are permitted to enlist as ordinary combatants. Of those qualified for such service already five chemists and

four wireless operators have been chosen. It is expected also that increasing demands will be made for mechanical engineers and for men qualified to serve in construction or flying corps, so that apart from munition work as ordinarily understood it is altogether probable that by the end of the term a large number of students in Applied Science will be enlisted for active military or other national service.

In the Faculty of Medicine there is a very small fifth year by reason of the fact that the regular fifth year graduated last December, and nearly all who received degrees are now on active service. I understand that from the first three years in Medicine about 80 have volunteered to enlist for a Casualty Clearing Station.

Of the 595 women students in the Faculty of Arts there are 524 in good health, 71 whose health is only fair. Of these 540 are willing to do national service, 131 in agriculture, 332 in munitions, 52 in either agriculture or munitions, 10 in chemistry, 15 in dietetics. Another opening for the work of the women students will be the Red Cross. It is obvious, therefore, that a very large proportion of the women who are physically fit are willing to undertake whatever kind of national service they are best fitted for.

The two faculties which are most likely to supply the largest number of workers for national service are those of Arts and Applied Science, because in each of these the regular work closes soon after the middle of April, so that it will be possible for these students to devote a much longer period to such service than those from the Faculties of Medicine and Education, the professional requirements of which will not permit the closing of the term before the end of May.

Already authoritative requests have come from chemists and wireless operators, and students have been permitted to count this service as enlistment and have been given their year. It is doubtful, however, whether the demands for ordinary munition work will necessitate permission being granted to women and men students who are in poor health or who have been rejected for military service to leave before the regular work of the year has been completed. It is not yet known whether the demands of agriculture will be so pressing that exemptions may be asked for by any considerable number of students.

As a general result of this registration it may be observed that of men and women students of all classes there are over 1,200 who are willing to do some kind of national service during the summer. Of the remaining students of the University now in attendance there will doubtless be some more available from the Faculty of Medicine and from the Faculty of Education when the work of the session is completed at the end of May. I understand also that there is a probability that a large number of women students will be employed in fruit harvesting in the summer and early autumn. It may be necessary for the University to grant these students dispensation from attendance for the first half of October with the remission of the ordinary fine.

All of which is respectfully submitted.

R. A. Falconer.

(7) Report of the Librarian (H. H. Langton, Esq., M.A.).

The number of volumes added to the Library during the entire year ending 30th June is 3,952 and the number of pamphlets, 755, making the total contents of the Library 148,434 bound volumes and 50,296 pamphlets.

Statistics of the use of the Library by students, as compared with those of the two previous years, showing continued decrease owing to the war are as follows:

	1914–15	1915–16	1916–17
No. of day tickets	32,053	28,014	18,728
No. of books taken for the night	12,546	12,006	9,446
Average No. of readers at any one time	96	67	49

The expenditure for the year was below normal and fell short of the appropriation, owing to the difficulty in obtaining books in Europe. Of course, nothing was obtained that was published in any of the countries with which the British Empire is at war. The intensified submarine campaign, beginning in February, 1917, caused marine insurance rates to rise. This, together with the danger of losing shipments for which no insurance would compensate, caused the adoption of a policy of allowing purchases not immediately wanted for professors or students to remain in storage in the countries in which they were bought, a due proportion of the purchase money remaining unpaid until the actual receipt of the volumes. The same policy will be carried out during the next year and probably until the termination of the war.

During the latter part of the year three members of the Library staff were given leave of absence for national service purposes, supplying substitutes for their library duties.

(8) Report of the Committee on University Extension (Dr. A. H. Abbott).

Teachers' Courses:

As intimated in the last report, the Course leading to the Degree in Arts was offered at the Summer Session of 1916 for those unable to attend the courses as provided in the regular session. By an arrangement with the Department of Education, the First Year subjects were given with the Faculty Entrance classes conducted by the Department of Education during the summer. Almost without exception, however, the candidates had Faculty Entrance standing and were eligible therefore to enter upon Second Year work. Three subjects of the Second Year were offered at the session of 1916, namely, English, French and Physics. The enrolment was 31, of whom 22 were women and 9 men.

The Teachers' Course has been continued throughout the winter in Teachers' Classes and Correspondence work. For those residing in Toronto, classes were formed in the remaining three subjects of the Second Year, Latin, History and Biology, and were attended throughout the winter by nineteen teachers. For out of town students, assistance by correspondence was arranged in the same subjects as preparation for the Summer Session. Bulletins were issued monthly and regular work returned monthly, fortnightly or weekly, according to the subject. The enrolment in the Correspondence Course was 20 and the number of exercises returned, 340.

Summer Session:

The attendance in the Summer Courses, including those given in co-operation with the Department of Education, was as follows:

Faculty Entrance	97	French Conversation	20
Normal Entrance	68	Pedagogy	20
Household Science	41	Second Year	31
Manual Training	22	Commerce	18
Vocal Music	37		
		Total	354

Compared with the same courses given last year, this enrolment shows an increase of 49. Adding the courses not offered in previous years (French Conversation 20, Pedagogy 20, Second Year 31), the total increase is 120.

The three women's residences, Queen's Hall, Nos. 7, 9 and 4, Knox College and Wycliffe College, were open for the accommodation of Summer Session students and Departmental Examiners. There were 365 in residence and meals were served in the University Dining Hall.

Three evening lectures, an excursion to Niagara Falls, to the Agricultural Farm, Guelph, and a visit to Ontario Museum were arranged by way of entertainment for the students.

Correspondence Course:

During the Session 1917-18, 102 students took advantage of the assistance by correspondence, registered as follows:

Normal and Faculty Entrance	66
Commerce	16
Second Year	20

A total number of 2,022 bulletins were issued and 1,069 exercises corrected by the instructors.

Local Lectures:

Individual and series of lectures were arranged by the Committee during the year for Canadian Clubs, Teachers' Institutes and other organizations in Toronto and throughout the Province—the former 23 and the latter 28. As an outcome of the French Course at Summer Session, a series of ten lectures in French was arranged for teachers residing in the city. The attendance at these weekly lectures was between 20 and 30.

(9) Statement Regarding the Biological Museum (Professor Bensley).

Considerable progress has been made during the past year in caring for the preserved storage material, to be used ultimately for museum purposes, and in the identification and arrangement of new specimens for the Royal Ontario Museum of Zoology. A card catalogue of the latter collection, including the material transferred from the Biological Museum, is in course of preparation.

The following donations have been received:

A collection of South African Butterflies, presented by the late Miss M. Mitchell, Toronto.

A Hawk, presented by Dr. Whillans, Toronto.

Specimens of Guineafowl and Peafowl, presented by Mr. G. H. Corsan, University of Toronto.

A collection of Molluscan Shells, presented by Dr. Allan Allan, British Guiana.

An Ermine in winter coat, presented by Mr. C. J. Kerr, Hamilton, Ont.

A collection of 240 skins of British Columbia Birds and 14 Mammals, together with storage cabinet and numerous ornithological books and sets of journals, presented by Mrs. Beattie, Vancouver, B.C., the property of her late son, Mr. F. Norman Beattie.

A pair of Red Foxes and a pair of Marten, mounted, together with an adult Black Bear, from Algonquin Park, presented by the Provincial Government.

A Leopard, Demoiselle Heron and Black Swan, presented by the Riverdale Zoological Gardens, Toronto.

A Young Walrus, from Rowsell's Harbor, Laborador, collected and presented by Professor A. P. Coleman.

(10) Statement Regarding the Geological Museum (Professor A. P. Coleman).

During the year the printing of explanatory labels for the more conspicuous material in the high cases has been practically completed. Two new wall cases have been installed for the reception of series of domestic and foreign ornamental stones, and repolishing of many of the sawn specimens has resulted in a great improvement.

The more important acquisitions are as follows:—

By Donation:

Large series of copper ores, Butte, Montana.—Anaconda Consolidated Mining and Smelting Co., per W. A. Parks.

Gypsum, Grande Prairie, B.C.—Mr. Blais, Kamloops, B.C.

Copper ores, Clayoquet district, B.C.—Mr. Canavan, Victoria, B.C.

Crystalline limestones, Flinton, Ont.—Mr. F. A. Carmichael.

Coke, Michel, B.C.—Crow's Nest Coal Co., per T. L. Walker.

Copper Ores, Phoenix mine, B.C.—Granby Consolidated Mining, Smelting, and Power Co., per W. A. Parks.

Silver-lead ore, silver Standard mine, B.C.—Mining Recorder, Hazelton, B.C.

Arsenopyrite, Rochers deboulles mine, B.C.—Hazelton Progress Club.

Spencerite, Calamine, etc., H. B. mine, B.C.—Hudson Bay Mining Co.

Molybdenum ore, Molly mine, B.C.—Mr. R. K. Neill, Salmo, B.C.

Gold ores, Queen mine, B.C.—The company per W. A. Parks.

Copper-lead-zinc ore, Erie mine, B.C.—Mr. A. M. Ruddy, New Hazelton, B.C.

Gold ores, Hollinger mine, B.C.

Records of deep boring at Amherstburg, Ont.—Rev. Thomas Nattress.

By Collection:

Large series of building and ornamental stones from British Columbia.—W. A. Parks.

Miscellaneous ores and minerals from British Columbia.—W. A. Parks.

Miniature column of the Cretaceous strata of Pembina mountains, Manitoba.—A. MacLean.

By Purchase:

Large series of foreign marbles and granites in polished slabs.

Collection of semi-precious stones.

Polished slab of copper conglomerate from Michigan.

Polished slabs of labradorite from Labrador.

(11) Statement Regarding the Palæontological Museum (Professor W. A. Parks.)

During the winter a second section of the series of wall cases devoted to Canadian geology and palæontology has been installed and specimens have been arranged therein which carry the series to the close of the Ordovician. A third section is under construction; when placed in position it will be devoted to a similar series of specimens illustrating the Silurian geology and palæontology of Canada.

Most of the available time during the winter has been devoted to the preparation of the Vertebrate remains collected on the Red Deer river some years ago by Mr. MacLean. Several bones have been successfully restored, but much of the collection is too fragmentary to be of value for museum display.

The Museum has now reached a stage of development with respect to Invertebrate fossils, which renders the acquisition of such material relatively unimportant when compared with the great necessity for additions to the Vertebrate collections. A campaign is now on foot to procure the considerable sums of money necessary for the systematic acquisition of Vertebrate skeletons. It is hoped that the Government, the University and the private friends of the museum will assist in furthering this much to be desired expansion.

The more important additions to the collections during the year are as follows:

By Donation:

Sawn slab with Orthoceras, China.—Miss Sare, Brackbill, Eng.
Jaw of Rhinoceros megarhinus, Pleistocene, Texel.—Mr. C. T. Currelley .
Molar of Mastodon avernensis, Red Crag, Suffold.—Mr. C. T. Currelley.
Phycodes circinnatum, Daedalus archimedes, Medina, Rochester, N.Y.—Dr. C. J. Sarle.
Fossils from northern Manitoba.—Mr. J. B. Tyrrell.
Shark's jaw.—Mr. Odlum.
Tree fern from Australia.—Victoria College.
Invertebrates and fish from southern Manitoba.—A. MacLean.
Series of photographs of Dinosaurs from the Red Deer River, Alberta.—Geol. Sur. Canada per Sir Edmund Walker.

By Collection:

Cretaceous fossils from British Columbia.—W. A. Parks.
Large series of local fossils.—W. A. Parks, A. MacLean, and students.
Fossils from near Thorold.—A. P. Coleman.

By Purchase:

Rare trilobites from Europe.
Rare Middle Cambrian fossils from British Columbia.
Trilobites, Eurypterids, fish, Cycads, Phyllopods, and Ammonites from various localities.

(12) Statement Regarding the Mineralogical Museum (Professor T. L. Walker.)

The collections of the University and of the Royal Ontario Museum of Mineralogy have been enlarged during the year by donations and exchanges. The following lists contain the names of our chief benefactors:

By Exchange:

Merrill, Dr. G. P., U.S. National Museum, Washington, U.S.A.

By Donation:

Ardagh, E. G. R., University of Toronto.
Ashworth, J., Vancouver, B.C.
Board of Trade, Prince Rupert, B.C.
Burrows, A. G., Ontario Bureau of Mines.
Coleman, Dr. A. P., University of Toronto.
Collins, Dr. W. H., Geological Survey of Canada, Ottawa.
Crow's Nest Pass Coal Co., Fernie, B.C.
Cross, Dr. W. J., Melbourne, Australia.
Cunliffe, J., Vancouver Chamber of Mines, B.C.
Davis, A. I., Ore Chimney Mining Co., Frontenac Co., Ontario.
Hewitson, J. H., Port Arthur.
Hutchinson, F. L., New Liskeard.
Haultain, Prof. H. E. T., University of Toronto.
Irwin, G. E., Salmo, B.C.
Jennings, R., Prince Rupert, B.C.
Kane, J., Kaslo, B.C.
Ledoux, Prof. A., University of Toronto.
Lett, R. C. W., Grand Trunk Pacific Railway, Winnipeg.
MacDonald, A. R., Hazelton, B.C.
Miles, A. D., President, Canadian Copper Co., Copper Cliff.
Neilly, B., Penn-Canadian Mines, Cobalt.
Parks, Dr. W. A., University of Toronto.
Parsons, Prof. A. L., University of Toronto.
Ryan, J., Cranbrook, B.C.
Thomson, E., University of Toronto.

(13) Report of the Medical Research Committee for the Year 1916-17.

The disorganizing effect of the war upon the work carried on under the Medical Research Fund has been even more evident in 1916-17 than it was in the preceding year. Only one salaried Fellow—Dr. Detweiler—continues to act under the Committee. So completely has all scientific effort been diverted into military channels, that although it was proposed to appoint a second Fellow, who should undertake important researches upon the metabolism of dementia precox, it has not hitherto been found possible to secure the services for this purpose of any competently trained investigator.

The work of Dr. Detweiler himself has been largely connected with a subject which is of the utmost importance in connection with the medical supervision of the expeditionary force in Canada, namely, the technique of the Wassermann reaction in syphilis. He has succeeded in so modifying that technique that it will reveal, in the great majority of instances, the actual effect of various forms of treatment upon the patient's blood. A paper has been published in the "Canadian Medical Association Journal" in March, entitled, "The Treatment of Syphilis—Its Effect upon the Wassermann Test using High Dilutions of Serum. A Preliminary Note"; and a more detailed report of the work was presented to the

Canadian Medical Association in Montreal in June. The work is still being carried on in connection with this research.

Dr. Detweiler has also, with the assistance of Dr. H. B. Maitland, continued his work upon the alleged elective localization of streptococci. A comprehensive paper dealing with this research was prepared and accepted for publication by the *Journal of Experimental Medicine* and is now in the printer's hands.

The work of the Out-Patient Department, under the direction of Dr. Goldie, is being continued along the lines indicated in last year's report. As there stated, Dr. Goldie carries on this work without remuneration from the Fund.

(14) Report of the Director of the Antitoxin Laboratory (Dr. J. G. Fitzgerald.)

This report is submitted just as the Antitoxin Laboratory is entering upon its fourth year of work.

For over sixteen months past the laboratory has prepared all the diphtheria and tetanus antitoxin, meningitis serum and Pasteur treatments, distributed free of charge by the Provincial Board of Health in Ontario. During the last two months the preparation of smallpox vaccine, which is also distributed free by the Provincial Board of Health, has been undertaken. The activities of the Provincial Board of Health are already bearing fruit as evidenced by the distinct lowering of the death rate from diphtheria. This is due to the fact that it is now possible in Ontario to obtain antitoxin readily and at no expense. Many lives have already been saved, but even more will be accomplished when the war is over and an intensive campaign can be undertaken to save the lives of children who die of diphtheria because antitoxin is not used early enough and in sufficient quantity.

The distribution of the products of the laboratory in Newfoundland, Nova Scotia, New Brunswick, Quebec, Manitoba, Saskatchewan, Alberta, and British Columbia has also continued. At least one other Canadian province is at the present time contemplating following the lead of Ontario in the matter of free distribution of public health biological products.

The war work of the laboratory has increased very greatly. The Department of Militia and Defence has, for nearly two years, been supplied with all the tetanus antitoxin required by the Canadian Army Corps in France. The antitoxin furnished by this Department has been thoroughly satisfactory, and has been supplied at lower price than tetanus antitoxin prepared by any other laboratory. Diphtheria antitoxin has been supplied also for use in Canada and on transports. Meningitis serum prepared in this Department has been used with much success in Canada and just recently (May 7th, 1917) the following memorandum was sent by an officer commanding a laboratory unit overseas, to the D. M. S. of an army, respecting the merit of the meningitis serum prepared by the Antitoxin Laboratory.

Herewith report:—

"In accordance with your 1590/17, attached herewith report on anti-meningococcus serum (University of Toronto, Lab. Nos. 25 and 26, dated June 26th, 1916).

"The tests made have been confined to tests of agglutination power of the serum and have been carried out on six strains of meningococci representing both types I and II. For purposes of comparison concurrent tests have been made with the following sera: Pasteur Institute, Lister Institute (G 26), Bourroughs and Wellcome (A. 1647 A. D.).

"In every case the University of Toronto serum has shown most satisfactory agglutination, far superior to that obtained with any of the other three serums.

"In so far as agglutinating power of a serum is an indication of its therapeutic value, it would appear that this serum attains a high standard of excellence and should prove more efficient than the majority of sera at present in use in France."

Colonel Gooderham's splendid gift is practically ready to be handed over to the University. The handsome and completely equipped laboratories, stables and living quarters have been occupied for nearly eight months, but the work on them has only just been completed. This plant, by those who are most competent to judge, is said to be as complete in its appointments as any laboratory of like size in the world. The farm of fifty acres is this year being partly used for grazing purposes, and partly for the production of vegetables, etc., which will be required in part for laboratory animals, and in part, also, it is hoped, for the University Dining Hall. A farmer has been engaged and it is expected that the University may produce the vegetables which heretofore have been purchased elsewhere. This seems particularly desirable at the present time when there is such a shortage of foodstuffs.

It has been possible for the Antitoxin Laboratory, through the military work of the director, and the assistant director, Captain R. D. Defries, to undertake research work in connection with medical problems of the Second Military District. These have all been related to the problems of communicable diseases amongst men of the C.E.F., both those training for overseas service and returned men.

Three specific problems have received attention, namely, epidemic cerebrospinal meningitis, lobar pneumonia, and diphtheritic infections of wounds. In all these problems it has been possible for the laboratory to render service to the men who are fighting our battles overseas. The Director of the Antitoxin Laboratory is also acting as a Sanitary Officer in Military District No. 2 (D. A. D. M. S. 2 Sanitation) and the Assistant Director is attached to the staff of the Laboratory Unit Military District No. 2. The head of the Department of Hygiene, Lt.-Col. John A. Amyot, is now Sanitary Advisor to the D.M.S. Canadians, London, England.

The chief aim of the laboratory at the present is, to in every way facilitate military endeavor. All research work other than that bearing on the war has been abandoned until the war is over. The members of the staff of the laboratory have been most faithful in their work and to them the thanks of the Director is due. The very warmest thanks of the Director are also hereby tendered to Colonel Albert Gooderham, and to Major J. W. S. McCullough, Chief Officer of Health of Ontario.

(15) Report of the Director of the Department of Social Service (Dr. Franklin Johnson, Jr.)

In brief summary, the number of students in the Department has increased in spite of war conditions, the field work has been further systematized, and the activities of the Department still further broadened. Both the Department of Health and the Board of Education have taken action requiring their visiting staffs to take certain courses of the Department, following the example of the Playground Department of the city.

Courses of Instruction.

For the coming year it seems advisable to institute added courses, and in particular the time seems ready for the development of a second year with its appropriate courses and work, in order to afford advanced instruction for those who otherwise would be compelled to seek it in schools of the United States offering

the two year course. It is not expected that the second year course will immediately attract large numbers, and it will require a certain time for its full development. A course in social and industrial investigation has also been found to be needed and has been added to the curriculum. The course on Social Psychology has been conducted by Dr. C. M. Hincks, in succession to Dr. A. H. Abbott.

Field Work.

Each year the problem of field work requires different handling and arrangements, due to the constantly changing situation in the city as regards social work and social conditions. The field work has been, however, still further developed and systematized, marking an advance over its previous satisfactory condition. A system of grading students in their field work has been attempted this year and found feasible, which is an advance in the conduct of field work either here or in other institutions of social instruction.

Students.

Notwithstanding war conditions the number of students shows an increase of thirteen per cent., the registration being 286 as compared with 252 for the previous year. Three men were enrolled this year in the list of full time students, all of them college graduates. The list of students also shows a wider distribution geographically. What was said in the last report as to the quality of the students applies also still more to the present class.

The building in addition to its departmental uses has still further been of service in linking up various city activities which are availing themselves of its facilities. This is a desirable result. Friends of the Department joining with the Alumni have raised the necessary funds and have redecorated and completely equipped one of the rooms of the building, a highly appreciated act.

In addition to the work involved in the administration of the Department and care of its students and in addition to the various courses of instruction conducted by him, the Director has as before been kept constantly busy in the activities of many organizations and forms of social work. This is not only desirable but necessary, for the sake of keeping the Department in touch with the broad field of social activities in the city, close and harmonious connection with which the Department must always maintain for the sake of its own work. The volume of correspondence not only from different parts of the Dominion but also from the United States is constantly increasing.

The volume of work handled by the Secretary of the Department is also markedly increased and the office records and routine, the needs of the students, the care of the growing collection of reports and pamphlets of the library, together with the large amount of varied duties, have completely filled her hands.

The Department has been engaged in a number of wider activities. There has been an increase in public interest in its work and an increase in demand for its advice and assistance in various forms. Among these may be mentioned a successful Vocational Institute of a week's duration conducted in one of the small towns of the Province by way of demonstration of such possibilities, and also a careful study made for the Social Service Commission of the City of Toronto of the distribution of charitable relief from public funds, which appears in the annual report of that organization. The collection of the reports and publications of the leading institutions and forms of social work throughout the continent in the Departmental library has also been of much service to the social activities of the city, and has led to increasing public use of the departmental library.

The graduating students have been widely distributed in the fields of employment which they have entered from the Department, and many of them are engaged in government and public service as well as in private organizations.

(16) Report of the Physical Director (Dr. J. W. Barton.)

The smaller registration in the number of men students naturally affected interfaculty athletics to some extent. In spite of this, however, the year was successful and considerable interest was displayed in the contests for the various interfaculty cups.

In rugby nine teams competed for the Mulock Cup and produced some players of first team calibre. Senior Medicals won from University College in the finals.

In soccer ten teams competed, Dentals again winning the championship.

For the first time in the history of athletics it was found impossible to hold a track meet, there not being sufficient entries to make contests in the majority of the events. For the same reason the Harrier races were called off.

A very successful tennis tournament was held, a large number of students taking part. The Medical team won the Interfaculty Championship.

The Jennings Cup hockey series was one of the best in recent years. Ten teams entered and the Faculty of Applied Science won from the former champions, the Dentals, in a closely contested game.

Ten teams competed in the Sifton Cup Basketball series, which as in former years was played on the floor at the Central Y.M.C.A. Keen interest was maintained throughout the whole series, which resulted in the triumph of Senior Medicals over Victoria, who had been for two years holders of the cup.

Owing to the bad condition of the pool, swimming was badly handicapped and no competition took place. Neither was it found possible to hold the annual assault-at-arms, because the student element which ordinarily supplied these contests was conspicuously absent this year.

The indoor work and gymnasium classes were even less attended than last year, the military drill again largely taking the place of that form of physical work.

Until the Hart House is completed and we get into our new quarters, athletic work generally will suffer and we can hope for very little advancement.

(17) Report of the Superintendent of the Dining Hall (Miss V. M. Ryley.)

In submitting my report for the Academic year 1916-1917, I am glad to state that the year has been as successful as could be expected with the decreased attendance of the men students. Only 28,000 meals less than last year were served, when women students as well as men students were admitted. Altogether over 150,000 meals were served during the year.

Prices have risen steadily, but this increase was partly offset by a saving of between $1,500 and $2,000 on account of good contracts for food materials. Male kitchen help was scarce, and expensive, receiving double the salary paid three years ago.

One other factor decreased the dining hall attendance considerably. At Christmas one of the men's residences was given to the Government for soldiers and this caused a decrease of about thirty-three men at each meal. As it is always cheaper to feed a larger than a smaller number our expenses for labor have materially increased since that time.

Altogether I consider the year, when the war is taken into consideration, to have been satisfactory in every way.

APPENDIX B.

(1) Enrolment in the Colleges.
(2) Enrolment in University Subjects.
(3) Registration in Courses in the Faculty of Arts.
(4) Registration of Women Students.
(5) Registration for Graduate Courses.

(1) Enrolment in the Colleges.

The students in University College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Orientals.	Ethics.
First Year—								
Pass	8	112	82	114	45	100	12	25
Honours	3	22	23	48	37	43	.....	.....
Second Year—								
Pass	2	70	.....	120	42	110	6	41
Honours	6	8	22	42	35	39	1	.....
Third Year—								
Pass	3	12	10	68	16	46	2	47
Honours	4	3	2	29	19	25	1	.....
Fourth Year—								
Pass	2	4	10	67	15	34	.....	42
Honours	7	6	4	28	19	20	1	.....
Totals—								
Pass	15	198	102	369	117	190	20	153
Honours	20	39	51	147	110	127	3	.....

The students in Victoria College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Orientals.	Ethics.
First Year—								
Pass	.....	39	37	43	11	37	5	.....
Honours	10	19	18	4	20	22	.....	.....
Second Year—								
Pass	2	18	.....	7	15	48	7	.....
Honours	5	5	5	7	16	17	.....	7
Third Year—								
Pass	.....	5	3	3	9	11	2	12
Honours	.....	.....	.....	1	11	13	.....	7
Fourth Year—								
Pass	.....	6	5	50	8	14	2	8
Honours	1	1	1	8	7	8	.....	4
Totals—								
Pass	2	68	45	103	43	110	16	20
Honours	16	25	24	20	54	60	.....	18

The students in Trinity College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Orientals.	Ethics.
First Year—								
Pass	4	18	4	16	5	15	7	.....
Honours	5	6	6	9	3	4	1	.....
Second Year—								
Pass	3	10	.....	18	4	12	1	.....
Honours	3	3	2	5	4	4	.....	.....
Third Year—								
Pass	1	1	3	7	3	6	1	5
Honours	.....	.....	.....	6	.....	6	.....	.....
Fourth Year—								
Pass	.....	.....	.....	6	2	2	.....	.....
Honours	3	2	2	3	.....	.....	.....	.....
Totals—								
Pass	8	29	7	47	14	35	9	5
Honours	11	11	10	23	7	14	1	.....

The students in St. Michael's College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Philosophy.	Ethics.
First Year—								
Pass	10	68	7	68	27	68	.....	.....
Honours	3	6	5	6	6	6	.....	.....
Second Year—								
Pass	7	35	.....	37	19	36	.....	.....
Honours	2	2	1	5	5	5	6	.....
Third Year—								
Pass	.....	6	.....	17	8	16	7	16
Honours	1	1	1	2	2	2	.....	.....
Fourth Year—								
Pass	3	5	.....	26	7	10	10	20
Honours	.....	.....	.....	1	1	1	4	4
Totals—								
Pass	20	114	7	148	61	130	17	36
Honours	6	9	7	14	14	14	10	4

(2) Enrolment in University Subjects.

The following tables exhibit the numbers attending lectures in University subjects, together with the numbers of those taking the practical work in the laboratories:

DEPARTMENT OF MATHEMATICS.

—	Pass.	Pass and Honours.	Honours.
Faculty of Arts—			
First Year	260	.....	22
Second Year	.....	.....	49
Third Year	.....	.....	15
Fourth Year	7	.....	5
Faculty of Applied Science—			
First Year	.....	62	.....
Second Year	.....	46	.....
Total	267	108	91

DEPARTMENT OF PHYSICS.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	83	.....	41	124
Second Year	38	.....	54	82
Third Year	10	.....	24	33
Fourth Year	3	.....	11	7
Graduate Students	.....	.....	11	9
Faculty of Medicine—				
First Year	.....	114	.....	113
Faculty of Forestry—				
First Year	3	.....	.....	3
Faculty of Household Science—				
First Year	43	.....	.....	43
Total	180	114	141	414

DEPARTMENT OF BIOLOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	144	.....	20	151
Second Year	38	.....	22	68
Third Year	.....	.....	10	10
Fourth Year	.....	.....	6	6
Graduate Students	.....	.....	.....	2
Faculty of Medicine—				
First Year	.....	101	.....	101
Second Year	.....	77	.....	77
Faculty of Applied Science—				
First Year	.....	5	.....	5
Second Year	.....	4	.....	4
Fourth Year	.....	6	.....	6
Faculty of Forestry—				
Third Year	.....	1	.....	1
Ontario Veterinary College Students in Botany	.....	.....	.....	41
Total	182	194	58	472

DEPARTMENT OF CHEMISTRY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	45	.....	42	83
Second Year	85	.....	35	91
Third Year	6	.....	9	9
Fourth Year	3	.....	7	7
Occasional Students	3	.....	.....	3
Graduate Students	.....	.....	.....	7
Faculty of Medicine—				
First Year	.....	113	.....	113
Faculty of Applied Science—				
Second Year	.....	2	.....	.....
Third Year	.....	2	.....	.....
Fourth Year	.....	1	.....	1
Faculty of Forestry—				
First Year	.....	3	.....	3
Ontario Veterinary College Students—				
First Year	40	.....	.....	40
Total	182	121	93	357

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

—	Pass and Honours	Honours.	Laboratory.
Faculty of Arts—			
Second Year	38	8	38
Third Year	37	9	37
Fourth Year	23	23	23
Fourth Year (Food Chemistry)	51	16	51
Faculty of Medicine—			
Second Year	81	.....	81
Third Year	66	.....	66
Faculty of Education—			
One Year course	20	.....	20
Veterinary Students	46	.....	46
Counted twice	16	16	16
Total	346	40	346

DEPARTMENT OF GEOLOGY.

—	Pass.	Pass and Honours	Honours.	Laboratory.
Faculty of Arts—				
Second Year	107	.....	18	103
Third Year	2	.....	1	3
Fourth Year	2	.....	2	4
Faculty of Applied Science—				
Second Year	.....	5	.....	.....
Third Year	.....	16	.....	2
Fourth Year	.....	22	.....	3
Faculty of Forestry—				
Third Year	.....	1	.....	.....
Total	111	44	21	115

DEPARTMENT OF MINERALOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
Second Year	85	.....	17	102
Third Year	3	.....	6	9
Fourth Year	2	.....	9	7
Faculty of Applied Science—				
First Year	.....	5	.....	5
Second Year	.....	25	.....	25
Third Year	.....	2	.....	2
Fourth Year	.....	3	.....	3
Faculty of Forestry—				
First Year	.....	.....	.....	.....
Total	90	35	32	153

DEPARTMENT OF PHILOSOPHY.

—		History of Philosophy and Metaphysics.		Psychology.	Logic.	*Ethics.	
		Pass.	Hon-ours.	Honours.	Honours.	Pass.	Hon-ours.
Second Year	.....	.....	12	16	.....	.....	6
Third Year	.....	51	12	13	12	45	5
Fourth Year	.....	30	3	3	3	20	1
Graduate Students	19	.....	.....	.....	.....	.....	.....
Total	19	81	27	32	15	65	12

* University College only.

DEPARTMENT OF POLITICAL SCIENCE.

——	Pass.	Honours.
Faculty of Arts—		
Department of Political Science—		
First Year	.....	9
Second Year	23	27
Third Year	51	8
Fourth Year	44	5
Graduate Students	.....	1
Department of Commerce and Finance—		
First Year	.....	8
Second Year	.....	4
Third Year	.....	3
Fourth Year	.....	2
Department of Modern History—		
Second Year	.....	12
Third Year	.....	3
Fourth Year	.....	2
Department of Philosophy—		
Third Year	14	.....
Department of Household Science—		
Fourth Year	15	.....
Faculty of Forestry	.....	5
Occasional Students	.....	3
Totals	147	92

DEPARTMENT OF HISTORY.

——	Pass.	Honours.
First Year	30	23
Second Year	133	61
Third Year	130	20
Fourth Year	137	22
Total	430	126

DEPARTMENT OF ITALIAN AND SPANISH.

——	Italian.		Spanish.		Phonetics.
	Pass.	Honours.	Pass.	Honours.	Honours.
First Year	21	39	21	10	.....
Second Year	6	21	6	2	30
Third Year	1	16	.....	1	.....
Fourth Year	2	10	2	4	.....
Graduate Students	.....	.....	.....	4	.....
Total	30	86	29	21	30

DEPARTMENT OF HOUSEHOLD SCIENCE.

——	General Course.	Household Science Course.	Total.
Faculty of Arts—			
First Year	.....	43	43
Second Year	.....	37	37
Third Year	8	21	29
Fourth Year	18	31	49
Occasional Students	.....	.....	9
Faculty of Education—			
Household Science Course	.....	.....	20
General Course	.....	.....	226
Summer Session	.....	.....	40
	26	132	453

(3) Registration in Courses in the Faculty of Arts, 1916–1917.

Courses.	First Year.				Second Year.				Third Year.				Fourth Year.				Total.
	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	
General Course	92	28	19	64	64	22	10	34	50	18	6	17	51	29	2	21	527
General Course (Household Science)	20	20	.....	1	16	12	2	.....	10	9	1	.....	10	5	.....	.....	108
Classics	1	6	2	3	2	4	.....	1	1	.....	.....	1	4	2	2	.....	29
English and History (Classics)	3	8	2	.....	2	2	1	1	2	.....	.....	.....	2	.....	1	.....	23
Greek and Hebrew	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orientals	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	3
Moderns	22	11	2	3	17	7	1	4	16	8	1	2	19	8	.....	.....	121
Eng. and Hist. (Moderns)	17	8	1	3	7	7	2	.....	10	3	5	.....	7	1	2	1	74
Modern History	3	1	1	.....	9	2	.....	.....	3	1	.....	.....	.....	2	.....	.....	22
Political Science	8	3	.....	.....	22	3	.....	.....	10	3	.....	.....	5	2	.....	.....	55
Commerce and Finance	8	1	.....	1	3	2	.....	.....	3	.....	.....	.....	1	3	.....	.....	22
Philosophy	.....	.....	.....	.....	6	7	1	5	5	8	.....	.....	4	3	.....	4	43
Mathematics and Physics	14	4	1	.....	11	7	1	.....	13	5	1	.....	7	4	.....	1	69
Natural and Physical Sciences	20	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24
Physics	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Biology	.....	.....	.....	.....	1	3	.....	.....	4	.....	.....	.....	1	1	.....	.....	10
Geology and Mineralogy	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	1	1	.....	.....	4
Chemistry and Mineralogy I.	.....	.....	.....	.....	6	3	1	.....	5	.....	.....	.....	4	1	.....	.....	20
Chemistry and Mineralogy II.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Biological and Phys. Sciences	.....	.....	.....	.....	1	2	.....	.....	1	1	.....	.....	2	2	.....	.....	9
Physiological and Biochem. Scs.	.....	.....	.....	.....	8	.....	1	.....	1	1	.....	1	2	1	.....	.....	15
Household Science	.....	.....	.....	.....	1	5	2	.....	.....	1	.....	.....	8	4	4	.....	25
Arts and Forestry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chemistry	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anatomy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of courses taken	208	94	29	75	176	89	22	45	136	58	14	21	128	71	11	27	1,204
Total of students registered	205	90	28	75	176	87	22	45	135	58	14	21	128	71	11	27	

(4) Registration of Women Students.

The women students registered in University College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	39	54	35	24
Classics	2	1	1	4
English and History (Moderns)	15	9	10	8
English and History (Classics)	1	2	1	2
Moderns	16	15	17	17
Modern History	1	3	1	.....
Political Science	1	.....	.....	.....
Household Science	18	13	10	18
Natural Sciences	7	3	9	6
Totals	100	100	84	79

The women students registered in Victoria College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	13	14	13	14
Moderns and English and History	19	11	9	7
Classics and English and History	4	2	.....	.....
Modern History	1	2	.....	1
Mathematics and Physics	1	2	.....	.....
Natural and Physical Sciences	3	7	.....	1
Household Science	.....	3	1	4
Household Science (General)	21	11	9	5
Philosophy	.....	2	1	.....
Totals	62	54	33	32

The women students registered in Trinity College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	4	8	5	2
Modern Languages	1	.....	1	.....
English and History (Moderns)	1	2	4	2
English and History (Classics)	.....	1	.....	1
Modern History	1	.....	.....	.....
Classics	.....	.....	.....	1
Household Science	.....	2	.....	4
Mathematics and Physics	.....	1	1	.....
Chemistry and Mineralogy I	.....	1	.....	.....
Physiological and Biochem. Scs	.....	1	.....	.....
Totals	7	16	11	10

The women students registered in St. Michael's College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	14	12	7	8
Modern Languages	2	2	2	.....
English and History (Moderns)	3	.....	.....	1
Classics	.....	1	.....	.....
English and History (Classics)	.....	1	.....	.....
Mathematics and Physics	.....	.....	.....	1
Household Science	1	.....	.....	.....
Totals	20	16	9	10

The women in the Faculty of Medicine were enrolled as follows:

First Year	10
Second Year	9
Third Year	12
Fourth Year	4
Special War Session	4
	39

The women in the Faculty of Applied Science and Engineering were enrolled as follows:

First Year	1

The women in the Faculty of Education took the following courses:

General Course	247
Household Science	20
	267

(5) Registration for Graduate Courses.

		M.A.	Ph.D.
Department of	Classics	6	....
"	Oriental Languages	6	....
"	English	1	....
"	Romance Languages	2	5
"	German	1	....
"	History	1	1
"	Political Science	1	....
"	Philosophy	10	7
"	Mathematics	1	2
"	Physics	6	3
"	Astronomy	2	....
"	Chemistry	2	3
"	Biochemistry	4	....
"	Physiology	2	....
"	Biology	.....	2
"	Botany	2	3
"	Household Science	1	....
	Total	48	26

APPENDIX C.

Results of Examinations.

(1) Faculty of Arts.
(2) Faculty of Medicine.
(3) Faculty of Applied Science.
(4) Faculty of Forestry.
(5) Faculty of Education.

RESULTS OF EXAMINATIONS IN APRIL, 1917.

(1) Faculty of Arts.

Senior Matriculation.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals.	Passed.	Granted standing on account of Mil. Service.	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	....	33	9	1	21	64	17	1	31	15	....	1	....	17
Supplementals	....	5	3	....	7	15	6	.....	9	....	....	....	....	....
Gen. Course (House. Sc.)	....	4	4	....	....	8	3	.....	3	2	1	....	....	2
Classics	....	....	....	....	1	1	1	.....	....	....	....	....	....	....
Moderns	....	3	....	....	....	3	....	.....	3	....	1	....	2	....
English and Hist. (Mod.)	....	1	2	....	....	3	1	.....	1	1	....	....	....	....
Modern History	....	....	1	....	....	1	....	.....	1	....	1	....	....	....
Political Science	....	....	1	....	....	1	....	.....	1	....	1	....	....	....
Commerce and Finance	....	....	1	....	....	1	....	1	....	....	....	....	....	....
Natural Science	....	2	1	....	....	3	1	.....	2	....	....	....	....	....
Totals	....	48	22	1	29	100	29	2	51	18	4	1	2	19

First Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals.	Passed.	Granted standing on account of Mil. Service.	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	....	50	9	10	48	117	48	5	47	17	....	5	....	21
Supplementals	....	16	10	....	5	31	23	.....	8	....	....	....	....	....
Gen. Course (House. Sc.)	....	16	17	....	1	34	16	.....	15	3	1	3	....	10
Classics	....	1	4	3	2	10	8	1	1	....	1	1	....	....
Eng. and Hist. (Class.)	....	3	7	1	....	11	10	1	....	....	1	2	....	....
Greek and Hebrew	....	....	....	1	....	1	1	.....	....	....	....	....	....	....
Moderns	....	19	10	1	2	32	25	.....	7	....	5	3	1	....
Eng. and Hist. (Mod.)	....	12	6	1	3	22	22	.....	....	....	4	1	....	....
Modern History	....	3	....	1	....	4	4	.....	....	....	....	....	....	....
Political Science	....	7	1	....	....	8	4	1	3	....	2	....	....	....
Commerce and Finance	....	7	....	....	1	8	6	.....	2	....	3	....	....	....
Math. and Phys.	....	11	3	1	....	15	9	3	3	....	1	....	....	....
Natural Science	....	14	3	....	....	17	12	4	1	....	1	....	....	....
Occasionals	20	3	1	1	2	27	17	.....	10	....	....	....	....	....
Totals	20	162	71	20	64	337	205	15	97	20	19	15	1	31

Second Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Granted standing on account of Military Service.	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	....	59	22	9	23	113	41	2	55	15	....	4	..	27
Supplementals	....	15	5	2	3	25	18	.....	7	....	....	..	..	..
General Course (House Sc.)	....	15	12	....	....	27	10	.....	15	2	....	3	..	4
Classics	....	1	4	2	1	8	8	.....	....	....	....	1	..	..
English and History (Cl.)	....	1	2	1	1	5	5	.....	....	....	....	..	..	..
Orientals	....	1	....	....	....	1	1	.....	....	....	....	..	..	..
Moderns	....	16	7	....	4	27	24	.....	2	1	....	2	..	..
English and History (Mod.)	....	6	7	2	....	15	15	.....	....	....	....	..	..	..
Modern History	....	7	2	....	....	9	8	1	....	....	....	..	..	..
Political Science	....	18	2	....	....	20	8	2	5	5	....	..	..	..
Commerce and Finance	....	3	1	....	....	4	3	1	....	....	....	..	..	..
Philosophy	....	4	7	1	4	16	12	1	3	....	....	2	1	..
Mathematics and Physics	....	11	7	1	....	19	11	3	5	....	....	1	..	..
Biology	....	1	3	....	....	4	4	.....	....	....	....	..	..	..
Geology and Mineralogy	....	....	1	....	....	1	1	.....	....	....	....	..	..	..
Chemistry and Mineralogy	....	4	3	1	....	8	3	3	2	....	1	..	..	..
Biological and Physical Scs.	....	1	1	....	....	2	....	2	....	....	....	..	..	..
Physiol. and Biochem. Scs.	....	6	1	1	....	8	2	3	3	....	....	..	..	..
Household Science	....	1	4	2	....	7	6	.....	1	....	1	..	..	..
Occasionals	11	1	3	....	1	16	15	.....	1	....	....	..	..	..
Teachers	17	....	....	....	....	17	15	.....	2	....	....	..	..	..
Totals	28	171	94	22	37	352	210	18	101	23	2	13	1	31

Third Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College	Totals.	Passed.	Granted standing on account of Military Service.	Starred.	Failed.	Transferred	Aegrotat.	Deferred.	Debarred.
General	....	46	15	4	17	82	46	3	30	3	....	..	..	9
Supplementals	....	11	5	1	4	21	16	1	4	....	....	..	..	..
General Course (House. Sc.)	....	10	9	1	....	20	17	.....	3	....	....	..	..	..
Classics	....	1	....	....	1	2	1	1	....	....	....	..	..	..
English and History (Cl.)	....	2	....	....	....	2	2	.....	....	....	....	..	..	..
Orientals	....	1	....	....	....	1	1	.....	....	....	....	..	..	..
Moderns	....	15	8	1	2	26	21	.....	3	2	3	..	..	..
English and History (Mod.)	....	10	1	5	....	16	15	.....	....	1	....	1	..	..
Modern History	....	3	....	....	....	3	3	.....	....	....	....	..	..	..
Political Science	....	10	3	....	....	13	7	5	1	....	....	..	1	..
Commerce and Finance	....	3	....	....	....	3	2	.....	1	....	....	..	..	..
Philosophy	....	5	6	....	....	11	7	.....	3	1	1	1	..	..
Mathematics and Physics	....	12	5	1	....	18	17	1	....	....	....	..	..	..
Biology	....	4	....	....	....	4	4	.....	....	....	....	..	..	..
Geology and Mineralogy	....	1	....	....	....	1	1	.....	....	....	....	..	..	..
Biological and Physical Scs.	....	1	1	....	....	2	2	.....	....	....	....	..	..	..
Physiol. and Biochem. Scs.	....	1	1	....	....	2	2	.....	....	....	....	..	..	..
Household Science	....	....	1	....	....	1	1	.....	....	....	....	..	..	..
Occasionals	....	2	1	....	....	3	3	.....	....	....	....	..	..	..
Totals	....	138	56	13	24	231	168	11	45	7	4	2	1	9

Fourth Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Granted standing on acct. of Military Service.	Starred.	Failed.	Transferred.	Aegrotat.	Debarred.	Pass Deg.
General	..	48	28	2	20	98	62	14	17	5	..	....	5	....
Supplementals	..	4	....	....	....	4	4	.....	....	....	..	....	..	....
Household Science (Gen. C.)	..	10	5	....	....	15	15	.....	....	....	..	....	..	....
Classics	..	4	2	2	....	8	7	1	....	....	..	....	..	....
Orientals	..	....	1	....	....	1	....	1	....	....	..	....	..	....
Moderns	..	20	8	....	....	28	26	1	1	....	..	....	..	....
English and History (Clas.)	..	2	....	1	....	3	3	.....	....	....	..	....	..	....
English and History (Mod.)	..	7	1	2	1	11	11	.....	....	....	..	....	..	....
Modern History	..	....	2	....	....	2	2	.....	....	....	..	....	..	....
Political Science	..	5	2	....	....	7	3	4	....	....	..	....	..	....
Commerce and Finance	..	1	3	....	....	4	1	2	1	....	..	....	..	....
Philosophy	..	2	2	....	4	8	8	.....	....	....	..	....	..	....
Mathem. and Physics — Mathematics	..	4	2	....	1	7	5	2	....	....	..	....	..	....
Mathem. and Physics — Physics	..	3	2	....	....	5	4	1	....	....	..	....	..	....
Biology	..	1	1	....	....	2	2	.....	....	....	..	....	..	....
Biol. and Phys. Sciences	..	2	2	....	....	4	3	1	....	....	..	....	..	....
Physiol. and Biochem. Scs.	..	3	....	....	....	3	2	1	....	....	..	....	..	....
Chem. and Mineralogy I.	..	....	1	....	....	1	....	1	....	....	..	....	..	....
Geology and Mineralogy	..	1	1	....	....	2	1	1	....	....	..	....	..	....
Household Science	..	8	4	4	....	16	16	.....	....	....	..	....	..	....
Occasionals	..	1	3	....	1	5	5	.....	....	....	..	....	..	....
Totals	..	126	70	11	27	234	180	30	19	5	..	....	5	....

(2) Faculty of Medicine.

—	Passed.	Granted standing on account of Military Service.	Starred.	Failed.
First Year	76	8	5	10
Second Year	55	6	12	2
Third Year	36	18	17	4
Fourth Year	8	77	7	.....
Fifth Year	22	1	.....	.....
Special War Session	57	.....	17	.....

(3) Faculty of Applied Science.

—	Passed with Honours.	Passed.	Granted standing on account of Mil. Service.	Starred.	Failed.
First Year:					
Civil Engineering	4	3	1	2	1
Mining Engineering	.....	1	1	1	1
Mechanical Engineering	1	1	2	4	1
Architecture	1	1	1	1	.....
Analytical and Applied Chemistry	2	2	.....	.....	.....
Chemical Engineering	3	2	.....	2	.....
Electrical Engineering	8	6	.....	5	1
Second Year:					
Civil Engineering	2	4	2	7	.....
Mining Engineering	.....	.....	1	.....	1
Mechanical Engineering	2	1	2	.....	.....
Architecture	.....	.....	.....	1	.....
Analytical and Applied Chemistry	2	1	.....	1	.....
Chemical Engineering	.....	1	.....	.....	.....
Electrical Engineering	8	5	2	1	.....
Third Year:					
Civil Engineering	6	4	.....	3	.....
Mining Engineering	.....	2	.....	.....	.....
Mechanical Engineering	1	.....	4	.....	.....
Chemical Engineering	.....	2	.....	.....	.....
Electrical Engineering	.....	3	.....	1	.....
Fourth Year:					
Civil Engineering	11	5	3		
Mining Engineering	2	1	.....	.....	.....
Mechanical Engineering	.....	4	.....	.....	.....
Architecture	2	1	.....	.....	.....
Analytical and Applied Chemistry	1	2	.....	1	.....
Electrical Engineering	2	9	.....	.....	.....

(4) Faculty of Forestry.

—	Passed.	Granted standing on account of Mil. Service.	Honours Deferred.	Failed.
First Year	2	.....	.....	1
Second Year	.....	.....	.....	.....
Third Year	1	.....	.....	1
Fourth Year	3	1	*1	.....

* Withdrew before end of term.

(5) Faculty of Education.

—	Passed with Honours.	Passed.	Failed.
General Course	15	274	.....
*Specialists	.....	39	.....
Household Science	.....	18	.....
D. Pæd	.....	1	.....
D. Pæd (passed in part)	.....	18	.....
Number who failed in whole or part	.....	.....	25

* Many of these are included among those who passed in the General Course.

APPENDIX D.

Geographical Distribution of Students.

The geographical distribution of students is as follows:

FACULTY OF ARTS.

——	University of Toronto.	University College.	Victoria College.	Trinity College.	St. Michael's College.	Total
Ontario: (1) Province	43	345	214	54	93	749
(2) Toronto	14	284	85	21	72	476
Nova Scotia	4	5	1	.....	.....	10
New Brunswick	1	.....	.....	.....	1	2
Prince Edward Island	1	2	.....	.....	.....	3
Quebec	5	4	.....	.....	.....	9
Manitoba	9	2	1	1	1	14
Saskatchewan	13	8	10	.....	1	32
Alberta	2	6	5	.....	.....	13
British Columbia	1	3	.....	1	.....	5
Yukon	.....	1	.....	.....	.....	1
United States	14	12	2	1	5	34
Elsewhere	6	18	17	.....	.....	41
Totals	113	690	335	78	173	1,389

SUMMARY.

——	Faculty of Arts.	Graduate Courses.	Faculty of Medicine.	Faculty of Applied Science.	Faculty of Education.	Faculty of Forestry.	Department of Social Service.	Summer Session.	Totals.
Ontario:									
(1) Province	749	27	282	120	307	3	133	249	1,870
(2) Toronto	476	43	156	63	68	4	134	98	1,042
Nova Scotia	10	.....	2	.....	2	.....	6	.....	20
New Brunswick	2	.....	1	.....	.....	.....	2	.....	5
Prince Edward Island	3	.....	.....	.....	3	.....	.....	.....	6
Quebec	9	.....	.....	2	2	1	1	3	18
Manitoba	14	1	1	.....	1	.....	1	.....	18
Saskatchewan	32	.....	5	1	3	.....	.....	1	42
Alberta	13	1	6	1	5	.....	1	.....	27
British Columbia	5	1	6	2	2	.....	2	2	20
Yukon	1	.....	.....	.....	.....	.....	.....	.....	1
United States	34	4	6	2	3	1	1	1	52
Elsewhere	41	3	5	2	1	1	6	1	60
Occasionals	.....	.....	76	3	.....	.....	.....	.....	79
Totals	1,389	80	546	196	397	10	287	355	3,260
Less duplicate registration									14
									3,246

The students from the Province of Ontario are distributed as follows:

County.	Faculty of Arts.	Faculty of Medicine.	Faculty of Applied Science.	Faculty of Education.	Faculty of Forestry.	Department of Social Service.	Summer Session.	Graduate Courses.	Totals.
Algoma	5	6	1	1	.....	1	5	.....	19
Brant	13	3	.....	8	1	.....	2	.....	27
Bruce	22	9	1	12	.....	8	5	1	58
Carleton	30	1	2	6	.....	.....	8	1	48
Dufferin	6	3	.....	3	.....	1	2	.....	15
Dundas	5	1	2	2	.....	.....	.....	.....	10
Durham	11	4	1	2	.....	3	1	2	24
Elgin	16	8	.....	11	.....	3	2	.....	40
Essex	18	12	3	6	.....	.....	14	.....	53
Frontenac	.....	.....	.....	1	.....	.....	5	.....	6
Glengarry	3	2	.....	.....	.....	1	1	.....	7
Grenville	3	.....	.....	4	.....	.....	1	.....	8
Grey	26	12	2	15	.....	3	8	1	67
Haldimand	8	3	1	7	.....	2	2	.....	23
Haliburton	2	.....	.....	.....	.....	.....	.....	.....	2
Halton	16	6	.....	7	.....	4	1	2	36
Hastings	14	7	.....	6	.....	6	7	1	41
Huron	25	16	3	19	.....	6	6	.....	75
Kent	7	9	5	5	.....	1	13	.....	40
Lambton	15	13	4	6	.....	1	3	.....	42
Lanark	14	3	2	7	1	4	3	1	35
Leeds	8	2	.....	2	.....	1	1	.....	14
Lennox and Addington	2	3	.....	1	.....	1	.....	.....	7
Lincoln	18	3	2	4	.....	2	6	1	36
Manitoulin	2	.....	1	.....	.....	.....	.....	.....	3
Middlesex	29	5	15	30	.....	7	12	1	99
Muskoka	5	.....	1	1	.....	.....	5	1	13
Nipissing	11	5	1	1	.....	1	8	.....	27
Norfolk	10	2	.....	3	.....	3	2	.....	20
Northumberland	13	5	1	3	.....	1	1	.....	24
Ontario	28	12	6	10	.....	6	6	1	69
Oxford	18	6	4	12	.....	7	4	.....	51
Parry Sound	1	.....	.....	.....	.....	1	7	.....	9
Peel	21	3	3	5	.....	2	7	.....	41
Perth	28	9	14	14	.....	5	7	.....	77
Peterborough	30	4	1	5	.....	1	6	2	49
Prescott	3	.....	.....	4	.....	.....	8	.....	15
Prince Edward	8	1	1	.....	.....	2	4	.....	16
Rainy River	2	1	.....	1	.....	1	.....	.....	5
Renfrew	10	1	.....	1	.....	3	10	.....	25
Russell	.....	.....	.....	1	.....	.....	1	.....	2
Simcoe	57	28	9	12	.....	9	10	2	127
Stormont	4	.....	.....	1	.....	.....	8	.....	13
Sudbury	4	2	.....	.....	.....	.....	.....	.....	6
Thunder Bay	7	2	2	2	.....	.....	3	.....	16
Temiskaming	3	.....	.....	4	.....	.....	.....	.....	7
Victoria	18	2	1	8	.....	3	6	2	40
Waterloo	14	11	5	3	.....	7	.....	.....	40
Welland	11	14	2	6	.....	5	5	1	44
Wellington	30	16	2	24	.....	8	10	2	92
Wentworth	61	16	12	10	.....	6	4	4	113
York	34	11	10	11	5	7	19	1	90
Toronto	476	156	63	68	.....	134	98	43	1,038
Totals	1,225	438	183	375	7	267	347	70	2,912

APPENDIX E.

Publications by Members of the Staff.

Faculty of Arts.

Department of Biochemistry.

Baumann, E. J.—"The Interrelations of Blood Fat and Blood Sugar Content of Dogs under the Influence of Hydrazine." (In collaboration with F. P. Underhill.) (The Journal of Biological Chemistry, Vol. XXVII, p. 169, 1916.)

Studies in Creatine Metabolism III. "The Influence of Alkali upon the Creatinuria of Phlorhizin Glycosuria." (In collaboration with F. P. Underhill.) (The Journal of Biological Chemistry, Vol. XXVII, p. 147, 1916.)

Studies in Creatine Metabolism IV. "The Relationship of Creatinuria to Carbohydrate Metabolism and Acidosis." (In collaboration with F. P. Underhill.) (The Journal of Biological Chemistry, Vol. XXVII, p. 151, 1916.)

Department of Biology.

Clemens, W. A.—"The Pine Bark Beetle." (Bulletin 383, Cornell University Agricultural Experiment Station, Ithaca, N.Y.)

"An Ecological Study of the Mayfly Chirotenetes." (Biological Series University of Toronto Studies.)

"Working Plans for the Trout Streams of Oneida County, New York State." (Bulletin of the Conservation Commission of the State of New York.)

Craigie, E. H.—"The Life History of the Hake as Determined from its Scales." (Contributions to Canadian Biology.)

"Hydrographic Investigations in the St. Croix River and the Passamaquoddy Bay in 1914." (Contributions to Canadian Biology.)

"A Hydrographic Section of the Bay of Fundy in 1914." (Contributions to Canadian Biology.)

"An Investigation of the Bays of the Southern Coast of New Brunswick with a view to their use for Oyster Culture." (In collaboration with Dr. J. W. Mavor and Mr. J. D. Detweiler.) (Contributions to Canadian Biology.)

Willson, H. G.—"The First Miller on the Humber." (Canadian Magazine, April, 1917.)

Walker, E. M.—"A few days in Newfoundland." (Canadian Entomologist, Vol. XLVIII, July, 1916, pp. 217-221; idem Aug., 1916, pp. 257-261.)

"A curious trap for dragonflies." (Can. Ent., Vol. XLVIII, Sept. 1916, pp. 314-315.)

"The Nymphs of the North American Species of Leucorrhinia." (Can. Ent., Vol. XLVIII, December, 1916, pp. 414-422, with plates XII and XIII.)

"Bibliography of Canadian Zoology, 1915." (Trans. Royal Soc. Can., Ser. III, Vol. IX, 1917.)

"Some dragonflies from Prince Edward Island." (Can. Ent., Vol. XLIX, April, 1917, pp. 117-119.)

"Irregularities in the seasonal occurrence of dragonflies." (Can. Ent., Vol. XLIX, May, 1917.)

"Notes on the land Mollusca of De Grassi Point, Lake Simcoe, and other Ontario Localities." (Ottawa Naturalist, Vol. XXXI, June-July, 1917.)

Department of Chemistry.

Allan, F. B.—"The Methyl Ester of Orthobenzoyl-Benzoic Acid." (In collaboration with T. C. McMullen.) (Journal of the American Chemical Society, 38, 1916.)

"The Action of a Solution of Potassium Hydroxide in Alcohol on Oxalic Esters." (In collaboration with N. C. Qua and D. McLaren.) (Journal of the American Chemical Society, 38, 1916.)

Lang, W. R.—"Organization; Administration; and Equipment." (Copp, Clark & Co.)

Department of English.

Clark, A. F. B.—Review of "How the French Boy Learns to Write: A Study in the teaching of a mother-tongue," by Rollo Walter Brown, Harvard University Press, 1915. (The University Monthly, October, 1916.)

"The Rally of the Latin Nations." (The University Magazine, December, 1916.)

Forster, A. Haire.—"Shakespeare, The Germans and the Comic Spirit." (The Canadian Magazine, February, 1917.)

Kennedy, W. P. M.—"Joseph Conrad." (The Catholic World, April, 1917.)

"Some Notes on Henry VIII's Parliaments." (American Quarterly, October, 1916.)

"Unpublished Documents of the Reign of Edward VI." (American Quarterly, January, 1917.)

"Visitation Documents, 1576-1603." (English Historical Review, April, 1917.)

Keys, D. R.—In memoriam articles on "Sir John Boyd, Chancellor of Ontario, and Professor M. S. Clark, McMaster University." (University Monthly, 1916-1917.)

"The Balfour Convocation." (University Monthly, 1917.)

Department of French.

Squair, John.—"En Temps de Guerre." (Copp, Clark Co., Toronto, 1916.)

Squair and Fraser.—"Alternative Exercises for Shorter French Course." (D. C. Heath & Co., 1916.)

Department of Geology.

Coleman, A. P.—"Summary Report on the Northeast Peninsula of Labrador." (Geol. Sur. Canada.)

"Magmatic Segregation of Sulphide Ores as shown in the Insizwa Range and of Sudbury." (Institution of Mining and Metallurgy, London, Eng.)

Department of German.

Fairley, B.—"Heinrich von Kleist." (Modern Philology, October, 1916.)

Department of Greek.

Hutton, Maurice.—"Thucydides and History." (Transactions of the Royal Society of Canada, 1916.)

"Latin War Elegiacs." (University Magazine, April, 1917.)

"Greek War Elegiacs." (University Monthly, 1917.)

"The Irish Revolt of 1916." (University Magazine, April, 1917.)

Department of History.

Wrong, G. M.—"The Growth of Nationalism in the British Empire." (American Historical Review, October, 1916, pp. 45-57.)

"The Bilingual Question." In the New Era of Canada. (A collection of Essays by various writers, pp. 229-259.)

"The Creation of the Federal System in Canada." (The Federation of Canada.) (A volume of lectures by various persons, pp. 1-38.)

"Review of Historical Publications Relating to Canada, Vol. XXI." (In collaboration with H. H. Langton.)

Department of Italian and Spanish.

Buchanan, M. A.—"H. Mérimée, L'Art dramatique à Valencia." (Modern Language Review, XI, 1.)

"W. Hannsler, A Handy Bibliographical Guide to the Study of the Spanish Language and Literature." (Modern Language Notes, XXXI, 8.)

"H. A. Rennert, Bibliography of the Dramatic Works of Lope de Vega." (Modern Language Notes, XXXII, 5.)

Department of Mathematics.

Baker, A.—"The Spanish Nations—Their Increasing Interest to Us." (Empire Club Address.)

Beatty, S.—"The Inversion of an Analytic Function." (Bulletin of the American Mathematical Society, Vol. XXIII, No. 8, pp. 347-353; May, 1917.)

Fields, J. C.—"Direct Derivation of the Complementary Theorem." (American Math. Soc., Boston, Sept., 1916.)

"Algebraic Proof of the Existence Theorem for the Branches of an Algebraic Function of one Variable.'" (Roy. Soc. Can., Ottawa, May, 1917.)

Pounder, I. R.—"A Demonstration of the Existence of the Branches of an Algebraic Function." (Roy. Soc. Canada, Ottawa, May, 1917.)

Department of Mineralogy.

Ledoux, A.—"Détermination des indices de réfraction de lames minces de cristaux anisotropes par l'emploi de la lumière parallèle oblique." (Bulletin, Soc. Franc. de Minéralogie, 1917.)

"Tourmaline from Macdonald Island, Baffin Land." (Ottawa Naturalist, 1917.)

"Aurichalcite from Big Cottonwood Canyon, Salt Lake County, Utah." (Jour. Wash. Acad. Sc., 1917.)

Parsons, A. L.—"Preliminary Report on Molybdenite Deposits of Ontario." (Ont. Bur. Mines, XXV Ann. Rep., Pt. I, pp. 18-21.)

"Molybdenite Deposits of Ontario." (Ont. Bur. Mines, XXVI Ann. Rep.)

Thomson, J. E.—"Some Canadian Cerussite Crystals." (Geol. Sur. Canada Memoir, 1917.)

"Azurite from Tsumeb Ambo-Land, S. W. Africa." (The American Mineralogist, May, 1917.)

Walker, T. L.—"Hopeite from H. B. Mine, Salmo, B.C." (Jour. Wash. Acad. Sc., Vol. VI, December, 1916.)

"The Crystal Form of Spencerite." (Jour. Wash. Acad. Sc., 1917.)

"Cerussite from Salmo, B.C." (In collaboration with A. Ledoux.) (Ottawa Naturalist, 1917.)

"The Crystallization of Parahopeite." (In collaboration with A. Ledoux and A. C. Wheatley.) (Min. Magazine, London, 1917.)

Department of Philosophy.

Hume, J. G.—Review of Dr. Macallum's "Science and the Scientific Spirit." (The University Monthly, June, 1916.)

"Religion, War, Peace." (The Westminster, July and August, 1916.)

"The Sophistries of the German Misleaders." (Proc. of the Ont. Educ. Assoc., 1916.)

"The Social Democratic Party in Germany." (The Varsity War Supplement, 1916.)

"Is it 'Wicked' to be a Soldier?" (The Canadian Courier, April 21st, 1917.)

Tracy, F.—"The Little Child and the Moral Order." (Proceedings of the Ontario Educ. Assoc., 1916.)

Department of Physics.

Chant, C. A.—"The Great Aurora of August 26, 1916." (The Journal of the Royal Astronomical Society of Canada, January, 1917.)

Dawes, H. F.—"Image Formation by Crystalline Media." (Phil. Mag. 32, pp. 248-261, August, 1916.)

Dearle, R. C.—"Emission and Absorption in the Infra-red Spectrum of Mercury." (Proc. Roy. Soc., Series A, Vol. XCII, No. A. 645.)

Kingdon, K. H.—"Some Experiments on Residual Ionisation." (Phil. Mag., October, 1916.)

McLennan, J. C.—"On the Ionisation Potentials of Magnesium and other Metals, and on their Absorption Spectra." (Proc. Roy. Soc., Series A, Vol. XCII, No. A. 645.)

"On the Bunsen Flame Spectra of Metallic Vapours." (In collaboration with A. Thomson.) (Proc. Roy. Soc., Series A, Vol. XCII, No. A. 645.)

"On the Ionisation of Metallic Vapours in Flames." (In collaboration with D. A. Keys.) (Proc. Roy. Soc., Series A, Vol. XCII, No. A. 645.)

"Industrial Research in Canada." (Presidential Address to the members of the Royal Canadian Inst., 1916.)

Satterly, J.—"The Radioactivity of Some Canadian Springs." (In collaboration with R. T. Elworthy.) (Royal Soc. of Canada, May, 1917.)

Department of Physiology.

Hartman, F. A.—"Further Observations on the Differential Action of Andrealin." (In collaboration with Miss L. McPhedran.) (American Journal of Physiology, May, 1917.)

Department of Political Economy.

Jackman, W. T.—"Canada's Railroad Problem." (Monetary Times, April 28, May 4th, and May 11th, 1917.)

MacIver, R. M.—"Community: A Sociological Study, pp. XV, 437." (Macmillan & Co., 1917.)

Mavor, J.—"Government Telephones—the Experience of Manitoba." (Moffat, Yard & Company, New York, and The Maclean Publishing Company, Toronto.)

Faculty of Applied Science.

Department of Applied Chemistry.

Bain, J. W.—"The Double Salts formed by Sodium and Potassium Carbonates." (In collaboration with C. E. Oliver.) (Trans. Roy. Soc. of Canada, Ser. III, Vol. 10, Section III, p. 65.)

Department of Electrochemistry.

Ellsworth, H. V.—"A Study of certain Minerals from Cobalt, Ont." (Report Ontario Bureau of Mines, Vol. XXV, Part I.)

Department of Applied Mechanics

Young, C. R.—"Range-Finder and Slope Card for Military Uses, with accompanying 9-page pamphlet of Instructions."

Department of Mechanical Engineering.

Angus, R. W.—"Theory of Machines—Principles of Mechanism and Mechanics of Machinery."—(McGraw-Hill Book Co., New York.)
"Description of Steam Gas and Hydraulic Laboratories of the University of Toronto." (Canadian Machinery, Febr. 1st, 1917.)

Arkley, L. M.—"The Central Heating and Power Plant of the University of Toronto." ("Power," New York, October 10, 1916), and ("Power House," Toronto, November, 1916).

Faculty of Medicine.

Department of Anatomy.

McMurrich, J. P.—"Notes on the Plankton of the British Columbia Coast." (Trans. Roy. Soc. Canada, Ser. III, Vol. X, 1916.)
"Canadian Fisheries Investigation." (National Progress, March, 1917.)
"The Origins of the Red Cross Movement." (University Magazine, March, 1917.)

Department of Hygiene.

Fitzgerald, J. G.—"Cerebro-Spinal Meningitis in Ontario." (Canadian Practitioner and Review, Vol. XII, No. 7, July, 1916, pp. 286-291.)
"Meningococcus Meningitis." (Canadian Medical Assoc. Journal, Vol. VI, No. 8, pp. 695-705, August, 1916.)
"Public Service Work in a Canadian University." (Canadian Municipal Journal, November, 1916.)
"The Work of the Antitoxin Laboratory." (Canadian Practitioner and Review, Vol. XLII, No. 3, March, 1917, pp. 93-97.)

Department of Medicine.

Clarkson, F. A.—"Some of the Poisonous Plants of Ontario." (Canadian Practitioner and Review, Oct., 1916.)
"Hydatid of the Lung." (Canadian Practitioner and Review, April, 1917.)

Ferguson, J.—"The Presidential Address before the Academy of Medicine, Toronto." (Canada Lancet, November, 1916.) (The Canadian Practitioner, November, 1916.) (The Dominion Medical Monthly, November, 1916.)

Reply to "The Defence of Christian Science." (Canada Lancet, November, 1916.)

"Edward Jenner." (Canada Lancet, May, 1917, and Canadian Journal of Medicine and Surgery, May, 1917.)

"The Value of Medical Science in Life Insurance." (Life Insurance and Health Conservation.)

Howland, G. W.—"The Neuroses of Returned Soldiers." (American Medicine, May, 1917.)

"Neuroses in Returned Soldiers." (Can. Pract. and Review, March, 1917.)

Mann, R. W.—"The Modern Laboratory Investigation of a Nephritic." (Peterborough Medical Society, Jan., 1917.)

Parfitt, C. D.—"Tuberculosis Often of Secondary Importance to Other Pathological Conditions." (Trans. National Assoc. for the Study of Prevention of Tuberculosis, Vol. XII.) (Canadian Medical Assoc. Jour., 1917.)

Whyte, M. B.—"The Quarantine Period for Measles." (Canadian Practitioner and Review, August, 1916, Vol. XLI, No. 8, page 336.)

Department of Obstetrics and Gynæcology.

Watson, B. P.—"Chronic Endometritis and Cervical Erosion." (The New System of Gynæcology, Macmillan & Co., London, 1917.)

"Social Problems Involved in Maternity Cases." (Canadian Nurse and Hospital Review, March, 1917.)

Department of Pathology and Bacteriology.

Detweiler, H. K.—"Experimental Endocarditis. Its Production with Streptococcus Viridans of Low Virulence." (Journal American Med. Assn., Dec. 2, 1916.)

"The Treatment of Syphilis: Its effects upon the Wassermann Reaction, Using High Dilutions of Serum." (Canadian Medical Assn. Journal, March, 1917.)

Tovell, H. M.—"The Effect of Poisonous Gases as Observed in Returning Soldiers." (In collaboration with J. H. Elliott.) (International Journal of Surgery, December, 1916.)

Department of Pathological Chemistry.

Hunter, A.—"The Presence of Allantoin in Mammalian Blood." (Journal of Biological Chemistry, XXVIII, p. 369.)

"A Hitherto Neglected Factor Affecting the Determination of Minute Quantities of Creatinine." (In collaboration with W. R. Campbell.) (Journal of Biological Chemistry, XVIII, p. 335.)

"The Distribution of Creatinine and Creatine between the Corpuscles and Plasma of the Blood." (In collaboration with W. R. Campbell.) (Proc. of the American Society of Biological Chemists, Journal of Biological Chemistry, XXIX.)

Homer, Annie—"A Suggestion as to the Cause of the Lessened Production of Indol in Media Containing Glucose." (Journal of Hygiene, XV, p. 401.)

Macallum, A. Bruce.—"The Comparative Value of Lard and Butter Fat in Growth." (Journal of Biological Chemistry, XXVII, p. 51.) (In collaboration with C. Funk.)

"The Action of Yeast Fractions on the Growth of Rats." (In collaboration with C. Funk.) (Journal of Biological Chemistry, XXVII, p. 63.)

Department of Pediatrics.

Brown, Alan.—"Blood Transfusion in Hemorrhagic Disease of the Newborn." (Journal Canadian Medical Assoc.)

"Ability of Mothers to Nurse their Children." (Jour. Canadian Medical Assoc.)

"Duodenal Ulcers in Infants." (Journal Canadian Medical Assoc.)

"Handling and care of the Premature Infant." (Archives of Pediatrics, New York.)

"Use of Longitudinal sinus for diagnostic and therapeutic purposes." (American Journal Diseases of Children, Chicago.)

"Chemical and Clinical Studies on the Etiology of Scurvy." (American Journal Diseases of Children, Chicago.)

Complete Revision of book entitled "Practise of Petiatrics," by Charles Gilmore Kerley, of New York. (Saunders & Co., Philadelphia, U.S.A.)

Department of Surgery.

Gallie, W. E.—"Intussusception." (Canadian Journal of Medicine and Surgery, Apr., 1916.)

"Pyloric Stenosis in Infants." (Journal of the Canadian Medical Association, Jan., 1917.)

Hay, S. M.—"The Significance of Pain in the Diagnosis of Abdominal and Pelvic Disease." (Canada Lancet, Sept., 1916.)

Primrose, A.—"The Direct Transfusion of Blood; Its value in Hæmorrhage and Shock in the Treatment of the Wounded in War." (In collaboration with E. S. Ryerson.) (British Medical Journal, Sept. 16th, 1916.)

Starr, F. N. G.—"The Acute Abdomen." (Can. Medical Assoc. Journal, May, 1917.)

"Differential Diagnosis of Gall-stones and Their Treatment." (International Journal of Surgery, Nov., 1916.)

Department of Therapeutics.

Rudolf, R. D.—"The Irritable Heart of Soldiers (Soldier's Heart)." (The Canadian Medical Assoc. Journal, Sept., 1916.)

"Penetrating Wounds of the Lung and Pleura." (Quarterly Journal of Medicine, Vol. IX, No. 36, July, 1916.)

FACULTY OF FORESTRY.

Fernow, B. E.—"The Relation of Forests to Our Civilization, Past, Present and Future." (Journal of Agriculture, University of California, Vol. IV, No. 3, November, 1916 (Forestry Number), pp. 75-6.)

"The Situation." (Journal of Forestry, Vol. XV, No. 1, January, 1917, pp. 3-14.)

"Trimming Trees along Transmission Lines." (The Bulletin of the Hydro-Electric Power Commission of Ontario, Vol. I, No. 10, April, 1917, pp. 20-2.)

Howe, C. D.—"Distribution and Reproduction of the Forest in Nova Scotia in Relation to Underlying Rocks and Soils." (Pp. 43-93, Ottawa, 1912.)

"Physiographic and Forest Conditions of the Trent Watershed." (Pp. 35-90, Ottawa, 1913.)

"The Reproduction of Commercial Species in the Southern Coastal Forests of British Columbia." (Pp. 1-21, Ottawa, 1915.)

"The Effect of Repeated Forest Fires upon the Reproduction of Commercial Species in Peterborough County, Ontario." (Pp. 1-49, Ottawa, 1915.)

Faculty of Education.

"The School." A magazine devoted to elementary and secondary education in Canada, published by the members of the staff of the Faculty of Education.

Cornish, G. A.—"The Ontario High School Chemistry, pp. 297." (Macmillan Co., Canada.)

"The Ontario High School Laboratory Manual in Chemistry," pp. 135. (Macmillan Co., Canada.)

Crawford, J. T.—"The Nova Scotia High School Algebra, pp. 435." (The Macmillan Co. of Canada.)

"The Ontario High School Arithmetic." (In collaboration with Dr. R. A. Thompson and W. H. Ballard.) (The Hunter-Rose Co., Toronto.)

Ferguson, W. C.—"Le voyage de M. Perrichon," edited with notes, vocabulary and exercises, 160 pages. (Oxford University Press, Henry Frowde, London and Toronto.)

Sandiford, P.—"Uniformity versus Diversity in Educational Administration." (Proc. Ont. Educ. Ass'n, 1916.)

"Measuring the Results of American Education." (The School World, XIX, 220.)

"The Subnormal Child." (Proc. Saskatchewan Educ. Ass'n, 1917.)

"Educational Reconstruction in Canada after the War." (Proc. Saskatchewan Educ. Ass'n, 1917.)

"Habit Formation in Elementary School Children." (Proc. Saskatchewan Educ. Ass'n, 1917.)

"Education of the Adolescent: A study in Comparative Education." (Proc. Saskatchewan Educ. Ass'n, 1917.)

AUDITOR'S REPORT.

TORONTO, 4th October, 1917.

To the Governors of the University of Toronto:

GENTLEMEN,—Herewith I present the Financial Statement of the University for the fiscal year ending 30th June, 1917, and beg to report that all the transactions of the year upon Revenue Account and Capital Account have been duly audited and approved of.

Yours faithfully,

(Sgd.) G. T. CLARKSON,

Auditor.

FINANCIAL STATEMENT

APPENDIX I.

Balance Sheet, 30th June, 1917.

Funds.

General Endowments Fund	Schedule 1	$5,808,920 74	
Specific Endowment Funds	" 2	129,520 50	
Retirement Fund	" 3	34,964 00	
Trust Funds	" 4*a*	93,436 09	
Equipment Funds	" 4*b*	27,440 95	
Annuity Debentures	" 4*c*	971,437 87	
Contingent Funds	" 5*a*	32,154 71	
Fees paid in advance		698 00	
			$7,098,572 86

Assets.

Site Lands, Buildings and Contents	Schedule 6	$5,539,158 19	
Unproductive Lands	" 7	59,830 17	
Leased Properties	" 8	632,094 66	
Investments and Cash	" 9	616,487 04	
Royal Ontario Museum Investment		251,002 80	
			$7,098,572 86

Schedule 1.

General Endowments Fund.

Additions for 1916-17:			
Receipts from Frontage Licenses:			
H. H. Williams	$75,000 00		
Thomas Jenkins	11,250 00		
G. H. Gooderham	1,000 00		
		$87,250 00	
Sale of West half Lot 5, Con. 3, Marmora		100 00	
Convocation Hall Advance:			
Restoration from proceeds of Wild Lands sales, eleventh instalment		1,419 19	
Annuity Debentures:			
Portion of 1916-17 instalments reducing principal:			
Eighth instalment, issue of July, 1909	$6,923 62		
Sixth instalment, issue of January, 1911	1,662 00		
Sixth instalment, issue of January, 1911	3,835 00		
Second instalment, issue of April, 1915	1,123 94		
		13,544 56	
Central Power Plant:			
Repayment during the year from Revenue Account (sixth instalment)		20,208 00	
Increased capitalization of Leases, University Park, upon renewal:			
Part Lot 16	$17,000 00		
Part Lot 17	17,000 00		
Lot 67	17,600 00		
		51,600 00	
Building No. 8 Queen's Park, second of ten instalments paid on purchase		750 00	
Building No. 184 College Street, first of ten instalments paid on purchase		500 00	
Business property on Yonge Street (Bilton bequest) to be deeded eventually to University, entered meanwhile at		1 00	
Library proper:			
Additions for 1916-17, less depreciation		2,381 28	
			$177,754 03
Fund of 30th June, 1916			5,631,166 71
Fund of 30th June, 1917			$5,808,920 74

SCHEDULE 2.

Specific Endowment Funds (Scholarships, Etc.).

Blake Matriculation	$29,725 72	
Mackenzie Memorial	18,709 60	
McCharles Bequest	12,172 59	
James H. Richardson Research Fellowship	10,000 00	
Starr Bequest	5,967 46	
Pearson Kirkman Marfleet Lectureship	5,700 00	
George Brown, Medical Science	5,391 72	
Young Memorial	3,874 56	
Blake, Science and Moderns	3,750 00	
Fulton Bequest	3,351 30	
Mary Mulock, Classics	2,838 74	
George A. Peters Scholarship	2,800 00	
Gibson, Matriculation	2,565 00	
A. A. A. S. Scholarship, Physics	2,350 00	
John Macdonald, Philosophy	2,080 00	
All Souls Historical Essay Prize	2,025 00	
Moss, Classics	2,000 00	
William Mulock, Classics and Mathematics	2,000 00	
Daniel Wilson, Natural Science	2,000 00	
Bankers', Political Science	1,200 00	
George Brown, Modern Languages	1,128 34	
Balmer, Science	1,030 00	
William Ramsay, Political Economy	1,009 42	
Julius Rossin, German	1,000 00	
Quebec Bonne Entente Prize	1,000 00	
Prince of Wales, General Proficiency	950 00	
Sundry Fellowships	625 00	
Flavelle Travelling Fellowship	500 00	
Chappell Prize	491 80	
Lyle Medal	359 25	
Squair French Prose Prize	250 00	
Reeve Scholarship	250 00	
Boiler Inspection and Insurance Company Scholarship	260 00	
Board of Trade, Commercial	100 00	
Reading Camp Association Prize	50 00	
Alumnae Prize in English	10 00	
McCaul Scholarship	5 00	
Ledger balances on 30 June, 1917		$129,520 50
Return of 30 June, 1916	$125,243 54	
Interest written to endowments	4,027 46	
Income from bonds, Gibson Scholarship	140 00	
Receipts other than above	4,870 00	
	$134,281 00	
Scholarship expenditures	4,760 50	
Return of 30 June, 1917		$129,520 50

SCHEDULE 3.

Retirement Fund, Beneficiaries, 30 June, 1917.

W. Lash Miller	$7,414 33
T. L. Walker	6,331 40
A. P. Coleman	4,639 06
W. H. Ellis	4,639 06
J. C. Fields	3,025 82
W. A. Parks	2,850 70
J. W. Bain	2,317 72

Retirement Fund, Beneficiaries, 30 June, 1917.—Continued.

H. W. Price	1,697 96	
E. M. Walker	1,354 91	
James Christie	693 04	
		$34,964 00
Fund of 30 June, 1916	$30,873 10	
Contributions, 1916-17	2,655 00	
Interest	1,435 90	
		$34,964 00

SCHEDULE 4*a*.

Trust Funds.

King Alfred Millenary Fund (Library)	$11,166 63	
Phillips Stewart Bequest (Library)	1,578 03	
John Squair French Library Fund	1,094 50	
Alexander Edwin Hamilton Library Fund	800 00	
University Studies	3,330 83	
E. C. Walker Bequest (Residences)	26,007 50	
Fulford Estate Donation (Base Hospital)	18,037 26	
Mary A. Simpson Bequest	1,343 31	
Medical Research Fund	20,589 95	
Experimental Laboratories Research Fund	2,000 00	
Ontario Archaeology Special Fund	485 00	
Microscopes Fund, Pathology	1,320 00	
John Langton Memorial	30 00	
Sundry Deposits:		
Men's Residences	468 08	
Women's Residences	640 00	
Summer Session	460 00	
Keys	85 00	
Dr. Franklin Johnson, Jr.	2,000 00	
R. J. Hamilton	2,000 00	
		$93,436 09
Return of 30 June, 1916	$101,469 70	
Interest appropriations	2,182 94	
Receipts:		
Medical Research Fund	8,000 00	
A. E. Hamilton Library Fund	800 00	
University Studies	440 47	
Microscopes Fund, Pathological Department	240 00	
N. Bilton Bequest	6,661 20	
Men's Residence Deposits	465 00	
Women's Residence Deposits	280 00	
Summer Session Deposits	695 00	
Key deposits	45 00	
R. J. Hamilton	2,000 00	
		$123,279 31
Expenditures:		
King Alfred Millenary Fund	$71 97	
Phillips Stewart Bequest	19 17	
University Studies	243 00	
Medical Research Fund	1,260 86	
Experimental Laboratories Research Fund	1,000 00	
Fulford Estate Donation	15,000 00	
Massey Treble Estate	870 10	
Bilton Bequest (transferred to Revenue)	8,411 20	
Men's Residence Deposits	721 92	
Women's Residence Deposits	245 00	
Summer Session Deposits	1,955 00	
Key Deposits	45 00	
		29,843 22
Return of 30 June, 1917		$93,436 09

SCHEDULE 4b.

Equipment Funds.

University Press:		
Balance unappropriated on 30 June, 1916	$4,818 13	
Transferred from Operating Account (Appendix IV)	570 60	
Unappropriated on 30 June, 1917		$5,388 73
Antitoxin Laboratory:		
Balance unappropriated on 30 June, 1916	$4,191 00	
Interest allowed thereon	209 55	
Transferred from Operating Account (Appendix V)	17,239 07	
Unappropriated on 30 June, 1917		21,639 62
Convocation Hall Organ Fund:		
Balance at debit on 30 June, 1916	$130 95	
Expenses of recitals and upkeep, 1916-17	360 00	
	$490 95	
Surplus music fees transferred	903 55	
Unappropriated on 30 June, 1917		412 60
		$27,440 95

SCHEDULE 4c.

Annuity Debentures.

Issue of July, 1909, $500,000, repayable in forty equal annual amounts of $25,260 each.	
Value as on 30 June, 1917, of the (thirty-two) outstanding instalments	$451,485 78
Issue of January, 1911, under 1 George V, Cap. 80, for construction of Pathological building, $130,000, repayable in forty equal annual amounts of $6,568 each.	
Value as on 30 June, 1917, of the (thirty-four) outstanding instalments	120,929 00
Accrued on 30 June, 1917, of seventh payment and charged to Revenue, 1916-17	3,284 00
Issue of January, 1911, under 1 George V, Cap. 80, as a grant towards construction of Toronto General Hospital, $300,000, repayable in forty equal annual instalments of $15,157 each.	
Value as on 30 June, 1917, of the (thirty-four) outstanding instalments	279,067 00
Accrued on 30 June, 1917, of seventh payment and charged to Revenue, 1916-17	7,578 50
Issue of April, 1915, under R.S.O. 1914, Cap. 279, to provide for the payment of $100,000 to the Hart A. Massey Estate towards the Gymnasium portion of Hart House, $110,000, repayable in forty equal annual instalments of $5,975 each.	
Value as on 30 June, 1917, of the (thirty-eight) outstanding instalments	107,848 79
Accrued on 30 June, 1917, of third payment and charged to Revenue, 1916-17	1,244 80
	$971,437 87

SCHEDULE 5a.

Contingent Funds.

Contingent Fund (Investment Reserve):		
Fund as per last report		$22,603 15
Sundry Ledger Balances:		
Fire Premiums paid in advance	$7,514 95	
Superintendent's Stores Account (Merchandise)	3,135 87	
Physical Department advance	100 00	
	$10,750 82	
Less Pathological Building, item in suspense at credit	2,500 00	
		8,250 82
		$14,352 33

Contingent Funds.—Continued.

Special Grant received from Provincial Government	$100,000 00	
Balance on hand from special grant of previous year	9,496 34	
	$109,496 34	
Deficit upon Revenue Account, 1916-17, as per Schedule 5*b*	91,693 96	
Balance unappropriated on 30 June, 1917		17,802 38
		$32,154 71

SCHEDULE 5*b*.

Revenue, 1916-1917.

Receipts.

		Estimate.	Actual.
Legislative Grant, University Act, 1906		$500,000 00	$500,000 00
Legislative Grant, 60 Vict., Cap. 59		7,000 00	7,000 00
Grant by Provincial Government on account of Faculty of Education (inclusive of $9,000 due, carried in Accounts Receivable)		15,000 00	15,000 00
Grant by Provincial Government for special course in Household Science, due and carried in Accounts Receivable		4,500 00	4,155 00
Fees, University and College, as detailed in Appendix II.		200,000 00	188,425 31
Interest:			
On Purchase Moneys		1,550 00	1,678 14
On Loans		1,100 00	1,132 04
On Debentures		9,500 00	9,213 62
On War Loan Bonds		.....	2,806 28
On Bank Balances		2,000 00	5,141 76
Rentals:			
University Park ground leases		16,000 00	17,014 90
City of Toronto payment		6,000 00	6,000 00
Business properties		3,070 00	3,070 00
Business properties (special receipt, Bilton bequest)		.....	8,411 20
Sundry Houses, etc.		2,500 00	1,593 98
Sundry Land earnings		.....	20 00
Men's Residence Dues		9,000 00	8,947 45
Men's Residences, receipts from military		.....	1,965 03
Women's Residence Dues		21,000 00	21,798 70
Dining Hall		31,250 00	28,259 09
Dining Hall, receipts from military		.....	4,473 70
University College Women's Union:			
Membership fees		5,400 00	667 00
Receipts from rooms and meals			4,181 72
Central Power Plant Receipts:			
Royal Ontario Museum	$2,553 70		
Carried in Accounts Receivable, amounts due by Wycliffe, Victoria and Knox Colleges	17,962 46		
Sundry sales of electric power	550 66	20,000 00	21,066 82
Casual Revenue		.....	587 10
		$854,870 00	$862,608 84

Expenditures.

	Estimate.	Actual.
1. Administration	$151,415 00	$135,822 93
2. Faculty of Arts	287,888 00	284,396 16
3. Faculty of Medicine	91,276 00	87,071 11
4. Faculty of Applied Science	128,042 00	120,183 60
5. Faculty of Household Science	17,555 00	17,132 89
6. Faculty of Education	71,100 00	71,391 03
7. Faculty of Forestry	12,575 00	12,200 67
8. University Extension and Social Service	10,625 00	8,742 88
9. Residences and Dining Hall	63,590 00	62,965 87
10. Royal Ontario Museum	17,500 00	17,486 72

Expenditures.—Continued.

11. Central Power Plant	46,500 00	44,221 79
12. Contingencies	4,000 00	10,413 30
13. Capital Account Charges	74,418 00	74,418 00
Total as per Appendix III.	$976,484 00	$946,446 95
Interest written to Scholarship and other Funds (Schedules 2, 3 and 4)	8,000 00	7,855 85
	$984,484 00	$954,302 80
Receipts as above	854,870 00	862,608 84
Expenditure in excess of receipts, carried to Schedule 5*a*	$129,614 00	$91,693 96

SCHEDULE 6.

Site Lands, Buildings and Contents, 30 *June,* 1917.

Site Lands:		
2,666,220 sq. feet at forty cents per foot	$1,066,488 00	
160,083 sq. feet at cost price	141,548 00	
2,826,303 sq. feet		$1,208,036 00
Buildings:		
Household Science building	$455,000 00	
Main building	450,000 00	
Chemistry and Mining, with adjacent building	384,736 89	
Physics building	363,945 85	
Library building	327,425 50	
Convocation Hall and Examination Wing	214,866 22	
Education building	184,383 47	
Pathological building	169,694 38	
Medical building	165,000 00	
Biological building	129,745 30	
Thermodynamics building	119,017 21	
Chemical building	77,469 88	
Engineering building	50,000 00	
Forestry building	30,101 65	
Geodetic Observatory building	12,000 27	
Social Service building	7,500 00	
Men's Residences	170,000 00	
Women's Residences	69,222 06	
University College Women's Union	13,521 18	
Y. M. C. A. building	1 00	
	$3,393,630 86	
Less balances of purchase money yet due on Social Service building and Women's Residence, 184 College Street	10,500 00	
		3,383,130 86
Library	$215,766 18	
Museum Specimens	1 00	
Convocation Hall Organ	19,603 11	
		235,370 29
Departmental Equipment:		
1. Faculty of Arts:		
Physics	$29,250 00	
Chemistry	14,040 00	
Physiology	12,500 00	
Mineralogy	10,145 00	
Geology	7,505 00	
Biology	6,131 25	
Botany	5,500 00	
Psychology	2,700 00	

Site Lands, Buildings and Contents, 30 *June*, 1917.—Continued.

Astro-Physics		1,635 00	
Mechanics		750 00	
Mathematics		500 00	
2. Faculty of Medicine:			
Pathology		18,440 56	
Chemical Pathology		7,925 74	
Pharmacology		2,430 00	
Anatomy		1,340 00	
3. Faculty of Applied Science:			
Electrical Engineering		30,923 00	
Mining		16,270 00	
Surveying		12,980 00	
Architecture and Drawing		10,830 00	
Applied Chemistry		10,114 00	
Applied Mechanics		10,075 00	
Thermodynamics and Hydraulics		10,000 00	
Physics and Photography		4,127 00	
4. Faculty of Household Science		19,000 00	
5. Faculty of Education		10,000 00	
			255,111 55
Furniture and Furnishings:			
Men's Residences		$13,203 30	
Women's Residences		9,449 34	
University College Women's Union		950 00	
General furniture, various buildings		11,938 00	
			35,540 64
Athletic Field Stadium and equipment			22,267 35
Gymnasium equipment			1,800 00
Dining Hall equipment			1 00
Printing Plant			1 00
Antitoxin Laboratory Plant			1 00
Central Power Plant			397,898 50
Total valuation			$5,539,158 19
Return of 30 June, 1916			$5,529,748 26
Additions thereto:			
Library proper:			
Value of additions for 1916-17 as reported by the Librarian	$9,054 46		
Less depreciation at 3% on $222,439.36	6,673 18		
		$2,381 28	
Women's Residences:			
Expended on alterations to building No. 184 College Street	$3,239 47		
Furnishings, etc.	4,734 37		
	$7,973 84		
Less entered in 1915-16	1,748 03		
		6,225 81	
Instalments paid on balances due on purchase of buildings Nos. 8 Queen's Park and 184 College Street		1,250 00	
			9,857 09
			$5,539,605 35
Contra.			
Women's Residences, Furniture, etc.:			
Written off by application of credit from sales of wild lands set apart for Women's Residences		$220 45	
University College Women's Union:			
Item temporarily charged to this account in 1915-16, since transferred to Revenue		226 71	
			447 16
Return of 30 June, 1917			$5,539,158 19

Schedule 7.

Unproductive Lands.

Vacant Land in Port Hope	$8,445 00	
Vacant Land in Belleville	1,283 00	
Endowment Lands unsold in various townships	152 00	
U. C. C. Block on King Street	49,950 17	
		$59,830 17

Transactions, 1916-17.

Upper Canada College Block:		
Taxes paid *re* widening of Duncan Street—		
1916	$24 32	
1917	21 56	
Return of 30 June, 1916	59,784 29	
Return of 30 June, 1917		$59,830 17

Schedule 8.

Leased Properties.

Victoria College Site	$1 00	
Knox College Site	4,714 40	
Wycliffe College Site	22,000 00	
Land leased to City of Toronto	120,000 00	
Park Land leased	357,338 00	
Toronto Business Properties	61,401 00	
Caradoc Farm	2,700 00	
		$568,154 40
House and land, 47 St. George Street	$10,172 95	
House and land, 69 St. George Street	20,000 00	
Building, No. 8 University Crescent	14,842 75	
Building, No. 719 Spadina Avenue	4,000 00	
Building, No. 721 Spadina Avenue	4,023 51	
		53,039 21
Rentals accrued, but not due	$8,892 29	
City of Toronto payment accrued	1,500 00	
Wycliffe College pavement	508 76	
		10,901 05
		$632,094 66

Return of 30 June, 1916		$579,433 90	
Addition to capitalized value upon renewal of leases, University Park:			
Part lot 16	$17,000 00		
Part lot 17	17,000 00		
Lot 67	17,600 00		
		51,600 00	
Business property on Yonge Street (Bilton bequest) to be deeded eventually to University, entered meanwhile at		1 00	
Increase in rentals outstanding		1,059 76	
			$632,094 66

Schedule 9.

Investments, 30 *June*, 1917.

Debentures and Municipal Bonds		$218,258 13	
Interest accrued but not due	$4,298 24		
Less interest paid in advance	583 13		
		3,715 11	
			$221,973 24
Loans secured by mortgages on real property		$15,350 66	
Interest accrued but not due	$128 33		
Less interest paid in advance	5 20		
		123 13	
			15,473 79

Investments, 30 *June*, 1917.—Continued.

Unpaid purchase money upon land sales		$25,500 00	
Interest accrued but not due		382 38	
Interest past due		227 50	
			26,109 88
Canadian War Loan and Province of Ontario Bonds		$124,970 32	
Interest accrued but not due		1,993 78	
			126,964 10
Home Bank of Canada shares			800 00
Dominion Power and Transmission Co., shares			2,000 00
Advance to Royal Ontario Museum Board for salaries and expenses for the year 1916-17		$34,973 43	
Less University's share charged to Revenue		17,486 72	
Payable by Provincial Government		$17,486 71	
Advance to Royal Ontario Museum Board for Indian Group, to be repaid by Canadian National Exhibition		1,037 18	
			18,523 89
Balances of grants due by Provincial Government for 1916-17:			
Faculty of Education		$9,000 00	
Household Science special course		4,155 00	
			13,155 00
Accounts Receivable:			
University Press		$2,392 12	
Department of Photography		19 05	
Antitoxin Laboratory		6,056 82	
Dining Hall (Military)		2,793 70	
Miscellaneous labor and material		777 96	
			12,039 65
Central Power Plant:			
Victoria College Account:			
Share of operating expenses, 1916-17	$6,149 80		
Interest, sinking fund and rental charges	3,218 72		
		$9,368 52	
Wycliffe College Account:			
Share of operating expenses, 1916-17	$2,791 53		
Interest, sinking fund and rental charges	543 12		
		3,334 65	
Knox College Account:			
Share of operating expenses, 1916-17	$3,783 99		
Interest, sinking fund and rental charges	1,475 30		
		5,259 29	
			17,962 46
Canadian Bank of Commerce, on deposit			161,485 03
			$616,487 04

Transactions, 1916-1917.

Inwards.

Debentures redeemed	$16,922 74	
Mortgage loans repaid	3,191 13	
Purchase money collections	450 00	
Withdrawals from Canadian Bank of Commerce	1,207,868 78	
Decrease in accounts outstanding	6,094 76	
		$1,234,527 41

Outwards.

Debenture investments	$199 33	
Mortgage investments	1,000 00	
War Loan investments	114,970 32	
Land Sales and Bank Stock	900 00	
Deposits in Canadian Bank of Commerce	1,252,411 55	
Increase in accrued revenue	1,125 67	
		1,370,606 87
		$136,079 46
Return of 30 June, 1916		480,407 58
Return of 30 June, 1917		$616,487 04

APPENDIX II.

Fees, 1916-17.

Total of fees collected, 1916-17		$199,057 36	
Brought forward from 1915-16		2,960 00	
			$202,017 36
Less:			
Sundry refunds during year		$1,327 50	
Paid to Students' Administrative Council, Council fees		2,285 00	
Paid to Instructors in Summer Classes in Medicine, fees derived		1,010 00	
Paid to Hospitals, fees payable from students in Medicine:			
Toronto General	$4,215 00		
St. Michael's	905 00		
Sick Children's	1,020 00		
Western	245 00		
		6,385 00	
Paid to Hamilton Conservatory of Music, *re* Local Examination Candidates from that centre		76 00	
Transferred to University College Women's Union		667 00	
Transferred to Microscopes Account		240 00	
Fees paid in advance for 1917-18		698 00	
			12,688 50
			$189,328 86

Carried to Organ Fund (Schedule 4*b*) surplus fees derived from Local Examinations in Music after payment of expenses	$903 55
Balance to Revenue Account (Schedule 5*b*)	188,425 31
	$189,328 86

Details of Fees Received, 1916-17.

Subject.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Miscellaneous.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
I. Faculty of Arts:							
Tuition	7,728 00	6,661 00	5,143 00	4,836 00	.....	752 00	25,120 00
Dispensations (University College)	25 00	15 00	15 00	.....	.....	.....	55 00
Dispensations (University)	30 00	10 00	10 00	.....	.....	.....	50 00
Honor Certificates	.....	1 00	1 00	.....	.....	63 00	65 00
Matriculation	.....	.....	.....	.....	.....	793 00	793 00
Ad Eundem	.....	40 00	10 00	.....	.....	10 00	60 00
Examinations	3,741 00	4,969 00	2,953 00	3,446 50	.....	464 00	15,573 50
Degrees	.....	.....	.....	2,315 00	.....	.....	2,315 00
Laboratory Supplies	166 00	591 00	568 00	774 00	.....	5 00	2,104 00
Library	745 00	628 00	436 00	464 00	.....	8 00	2,281 00
Gymnasi'm, Men's (including lockers)	4 00	8 00	4 00	4 00	.....	22 36	62 36
Gymnasium, Women's (including lockers)	348 00	224 00	212 00	176 00	.....	86 00	1,046 00
Women's Union	118 00	147 00	129 00	143 00	.....	117 00	654 00
Penalties (University)	58 00	45 00	22 00	39 00	.....	12 00	176 00
Penalties (University College)	80 50	70 00	51 50	56 00	.....	62 00	320 00
Students' Council.	368 00	279 00	168 00	204 00	.....	.....	1,019 00
	13,431 50	13,688 00	9,722 50	12,457 50	.....	2,394 36	51,693 86
II. Faculty of Medicine:							
Tuition	13,515 00	10,428 00	10,188 00	14,462 00	12,813 00	1,780 00	63,186 00
Tuition, Summer Courses, 1916	.....	.....	740 00	.....	270 00	.....	1,010 00
Tuition (in advance for 1917-18)	.....	.....	.....	.....	.....	460 00	460 00
Matriculation	10 00	.....	.....	.....	.....	.....	10 00
Ad Eundem	.....	30 00	10 00	40 00	10 00	.....	90 00
Honor Certificates	.....	.....	.....	.....	.....	19 00	19 00
Examinations	1,110 00	910 00	1,020 00	1,500 00	950 00	190 00	5,680 00
Degrees	.....	.....	.....	.....	1,900 00	300 00	2,200 00
Laboratory Supplies	888 00	869 00	240 00	904 00	435 00	.....	3,336 00
Library	222 00	158 00	160 00	226 00	174 00	.....	940 00
Gymnas'm, Men's (including lockers)	8 00	20 00	.....	.....	.....	.....	28 00
Gymnasium (Women's)	4 00	.....	.....	4 00	.....	.....	8 00
Women's Union	.....	5 00	5 00	3 00	.....	.....	13 00
Penalties	39 00	31 00	25 00	72 00	73 00	.....	240 00
Students' Council.	190 00	140 00	140 00	208 00	192 00	.....	870 00
Microscopes	.....	.....	120 00	.....	60 00	60 00	240 00
	15,986 00	12,591 00	12,648 00	17,419 00	16,877 00	2,809 00	78,330 00

Details of Fees Received, 1916-17—Continued.

Subject.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Miscellaneous.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
III. Faculty of Applied Science:							
Tuition	6,174 00	4,348 00	3,263 00	5,264 00	.....	.....	19,049 00
Matriculation	10 00	5 00	.....	10 00	.....	.....	25 00
Examinations	700 00	550 00	410 00	700 00	.....	40 00	2,400 00
Degrees	.....	.....	.....	485 00	.....	60 00	545 00
Ad Eundem	.....	.....	.....	10 00	.....	.....	10 00
Library	136 00	92 00	62 00	96 00	.....	.....	386 00
Gymnasium	4 00	.....	.....	.....	.....	.....	4 00
Penalties	23 00	13 00	14 00	43 00	.....	1 00	94 00
Students' Council	136 00	90 00	64 00	92 00	.....	.....	382 00
	7,183 00	5,098 00	3,813 00	6,700 00	.....	101 00	22,895 00
IV. Faculty of Education:							
Tuition (Teachers in training)	.....	.....	.....	.....	.....	8,252 00	8,252 00
Tuition (Summer Course)	.....	.....	.....	.....	.....	190 00	190 00
Dispensation from teaching in Province of Ontario	.....	.....	.....	.....	.....	200 00	200 00
Honor Certificates	.....	.....	.....	.....	.....	1 00	1 00
Examinations	.....	.....	.....	.....	.....	577 00	577 00
Degrees	.....	.....	.....	.....	.....	25 00	25 00
Ad Eundem	.....	.....	.....	.....	.....	10 00	10 00
University Schools:							
Tuition	.....	.....	.....	.....	.....	9,255 00	9,255 00
						22,793 50	22,793 50
						32,048 50	32,048 50
V. Faculty of Forestry:							
Tuition	102 00	40 00	76 00	184 00	.....	25 00	427 00
Examinations	20 00	.....	10 00	40 00	.....	.....	70 00
Laboratory Supplies	16 00	.....	8 00	32 00	.....	.....	56 00
Library	4 00	.....	2 00	8 00	.....	.....	14 00
Degrees	.....	.....	.....	40 00	.....	.....	40 00
Penalties	2 00	.....	2 00	2 00	.....	3 00	9 00
Students' Council	4 00	.....	4 00	10 00	.....	.....	18 00
	148 00	40 00	102 00	316 00	.....	28 00	634 00
VI. University Extension and Social Service:							
(a) Summer Session:							
Lecture fees (additional to $468.00 paid in 1915-16)	.....	.....	.....	.....	.....	342 00	342 00
Lecture Fees (in advance for 1917-18)	.....	.....	.....	.....	.....	238 00	238 00
Correspondence Courses	.....	.....	.....	.....	.....	1,131 00	1,131 00
	.....	.....	.....	.....	.....	1,711 00	1,711 00
(b) Social Service:							
Lecture fees	.....	.....	.....	.....	.....	1,645 00	1,645 00
Library	.....	.....	.....	.....	.....	4 00	4 00
	.....	.....	.....	.....	.....	3,360 00	3,360 00

Details of Fees Received, 1916-17—Continued.

VII. Departmental Fees.	Post Graduate Studies.	Law.	Dentistry.	Music.		Pharmacy.	Veterinary Science.	Agriculture.	Total.
				Mus. Bac.	Local.				
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Tuition	308 00	.....	.....	.....	.....	.....	3,200 00	.....	3,508 00
Matriculation	.....	40 00	370 00	40 00	.....	145 00	55 00	.....	650 00
Registration	305 00	.....	.....	.....	.....	.....	.....	.....	305 00
Examinations	305 00	90 00	1,895 00	70 00	2,113 25	348 00	165 00	330 00	5,316 25
Degrees	350 00	100 00	1,475 00	110 00	.....	290 00	80 00	300 00	2,705 00
Honor Certificates	.....	.....	5 00	.....	560 75	.....	.....	.....	565 75
Library	2 00	.....	.....	.....	.....	.....	.....	.....	2 00
Gymnasium	.....	.....	4 00	.....	.....	.....	.....	.....	4 00
	1,270 00	230 00	3,749 00	220 00	2,674 00	783 00	3,500 00	630 00	13,056 00

Summary of Fees, 1916-17.

I. Faculty of Arts:		
First year	$13,431 50	
Second year	13,688 00	
Third year	9,722 50	
Fourth year	12,457 50	
Miscellaneous	2,394 36	
		$51,693 86
II. Faculty of Medicine:		
First year	$15,986 00	
Second year	12,591 00	
Third year	12,648 00	
Fourth year	17,419 00	
Fifth year	16,877 00	
Miscellaneous	2,809 00	
		78,330 00
III. Faculty of Applied Science:		
First year	$7,183 00	
Second year	5,098 00	
Third year	3,813 00	
Fourth year	6,700 00	
Miscellaneous	101 00	
		22,895 00
IV. Faculty of Education:		
Teachers in training	$9,255 00	
University Schools	22,793 50	
		32,048 50
V. Faculty of Forestry:		
First year	$148 00	
Second year	40 00	
Third year	102 00	
Fourth Year	316 00	
Miscellaneous	28 00	
		634 00
VI. University Extension and Social Service:		
Miscellaneous	$3,360 00	
		3,360 00

Summary of Fees, 1916-17,—Continued

VII. Departmental:		
Post Graduate Studies	$1,270 00	
Law	230 00	
Dentistry	3,749 00	
Music	2,894 00	
Pharmacy	783 00	
Veterinary Science	3,500 00	
Agriculture	630 00	
		13,056 00
		$202,017 36

Classification of Services.

Tuition Fees:		
Arts	$25,120 00	
Medicine	64,656 00	
Applied Science	19,049 00	
Education, Teachers in Training	8,442 00	
Education, University Schools	22,793 50	
Forestry	427 00	
Departmental	3,508 00	
Dispensations	305 00	
Honor Certificates	650 75	
Registration (Post Graduate)	305 00	
Matriculation	1,478 00	
Ad Eundem	170 00	
Examinations	29,616 75	
Degrees	7,830 00	
Laboratory Supplies	5,496 00	
Library	3,623 00	
Gymnasium	1,152 36	
Women's Union	667 00	
University Extension and Social Service	3,360 00	
Penalties	839 00	
Students' Council	2,289 00	
Microscopes Account	240 00	
		$202,017 36

Recapitulation.

	Gross.	Refunds and other Deductions.	Net.
University Fees proper	$58,114 86	$3,623 00	$54,491 86
University College Fees Proper	25,175 00	154 00	25,021 00
Medicine	64,656 00	7,760 00	56,896 00
Applied Science	19,049 00	50 00	18,999 00
Education, including University Schools	31,235 50	242 00	30,993 50
Forestry	427 00	.....	427 00
University Extension and Social Service	3,360 00	859 50	2,500 50
	$202,017 36	$12,688 50	$189,328 86

APPENDIX III.

Revenue Expenditures, 1916-17.

	Appropriation.	Supplementary.	Unused.	Total.
I. Administration:				
1. Salaries	$68,795 00		$217 85	$68,577 15
2. Pensions	5,500 00			5,500 00
3. President's Office	250 00			250 00
4. Bursar's Office	2,500 00	$106 77		2,606 77
5. Registrar's Office	4,125 00		309 23	3,815 77
6. Superintendent's Office	650 00	1 13		651 13
7. Library	15,695 00		4,156 42	11,538 58
8. Museum	.....			.....
9. Gymnasium and Students' Union	5,575 00		423 67	5,151 33
10. Convocation Hall	2,175 00		310 37	1,864 63
11. Grounds	12,700 00		2,293 73	10,406 27
12. Examinations	13,000 00		3,638 14	9,361 86
13. Convocation Expenses	750 00		390 60	359 40
14. Receptions	500 00		208 92	291 08
15. Telephones	3,000 00	30 15		3,030 15
16. Insurance	8,500 00		935 06	7,564 94
17. Advertising Expenses	1,250 00		47 85	1,202 15
18. Aid to Publications and Societies	1,700 00		700 00	1,000 00
19. University Studies	2,500 00		900 68	1,599 32
20. Law Costs	750 00		262 27	487 73
21. General Incidentals	1,500 00		935 33	564 67
22. Senate Elections	.....			.....
	$151,415 00	$138 05	$15,730 12	$135,822 93
II. Faculty of Arts:				
23. Salaries	$249,713 00		$4,475 04	$245,237 96
24. Retiring Allowances	3,100 00			3,100 00
25. Main Building	8,100 00		811 31	7,288 69
26. Biological Building and Department	6,135 00		590 18	5,544 82
27. Sub-Department of Botany	2,925 00	$4,062 51		6,987 51
28. Bio-Chemical Department	1,500 00		78 11	1,421 89
29. Physiological Department	1,350 00	4 70		1,354 70
30. Chemical Building and Department	2,885 00		12 09	2,872 91
31. Sub-Department of Physical Chemistry	300 00	2 30		302 30
32. Physics Building and Department	7,700 00		29 87	7,670 13
33. Sub-Department of Astro-Physics	850 00		15 73	834 27
34. Geological Department	400 00		119 93	280 07
35. Mineralogical Department	500 00		58 23	441 77
36. Psychological Department	250 00		97 25	152 75
37. Mathematical Department	100 00		32 76	67 24
38. Sub-Department of Mechanics	100 00		61 77	38 23
39. Political Science	150 00		97 15	52 85
40. History	75 00		47 55	27 45
41. Italian and Spanish	25 00		4 40	20 60
42. University College Departments	880 00		600 70	279 30
43. University College General Expenses	350 00		274 20	75 80
44. Trinity College Service	500 00		155 08	344 92
	$287,888 00	$4,069 51	$7,561 35	$284,396 16

Revenue Expenditures, 1916-17.—Continued.

	Appropriation.	Supplementary.	Unused.	Total.
III. Faculty of Medicine:				
45. Salaries	$69,244 00		$491 58	$68,752 42
46. Retiring Allowances	500 00			500 00
47. Anatomy	2,750 00		1,228 64	1,521 36
48. Pathology and Bacteriology	2,357 00		187 59	2,169 41
49. Chemical Pathology	1,400 00		16 55	1,383 45
50. Pharmacy and Pharmacology	300 00		32 52	267 48
51. Medicine	200 00		107 24	92 76
52. Surgery	300 00		275 70	24 30
53. Obstetrics and Gynaecology	150 00		10 57	139 43
54. Ophthalmology	200 00		200 00	
55. Oto-Laryngology	100 00		100 00	
56. Therapeutics	50 00		34 78	15 22
57. Hygiene	650 00		49 48	600 52
58. Medical Jurisprudence	50 00		50 00	
59. Medical Building	5,700 00		338 68	5,361 32
60. Pathological Building	5,125 00		333 71	4,791 29
61. General Expenses	2,200 00		747 85	1,452 15
	$91,276 00		$4,204 89	$87,071 11
IV. Faculty of Applied Science:				
62. Salaries	$103,305 00		$3,604 43	$99,700 57
63. C. & M. Building	5,350 00		345 40	5,004 60
64. Engineering Building	3,757 00		902 56	2,854 44
65. Thermodynamics Building	1,475 00	$292 56		1,767 56
66. Observatory Building	335 00	27 22		362 22
67. Electrical Engineering	2,720 00		151 45	2,568 55
68. Mechanical Engineering	1,400 00		87 47	1,312 53
69. Applied Mechanics	600 00		231 90	368 10
70. Mining Engineering	1,000 00	18 89		1,018 89
71. Metallurgical Engineering	1,500 00		1,357 12	142 88
72. Ferro-Metallurgy	75 00		75 00	
73. Surveying	500 00		48 69	451 31
74. Applied Chemistry	1,200 00		97 65	1,102 35
75. Electro-Chemistry	1,450 00		11 30	1,438 70
76. Architecture and Drawing.	890 00		451 70	438 30
77. Engineering Physics and Photography	1,585 00		554 68	1,030 32
78. General Expenses	900 00		277 72	622 28
	$128,042 00	$338 67	$8,197 07	$120,183 60
V. Faculty of Household Science:				
79. Salaries	$10,900 00			$10,900 00
80. Household Science Building and Department	6,655 00		$422 11	6,232 89
	$17,555 00		$422 11	$17,132 89
VI. Faculty of Education:				
81. Salaries	$56,100 00	$100 00		$56,200 00
82. Education Building and Department	15,000 00	191 03		15,191 03
	$71,100 00	$291 03		$71,391 03

Revenue Expenditures, 1916-17.—Continued.

	Appropriation.	Supplementary.	Unused.	Total.
VII. Faculty of Forestry:				
83. Salaries	$9,550 00			$9,550 00
84. Forestry Building and Department	3,025 00		$374 33	2,650 67
	$12,575 00		$374 33	$12,200 67
VIII. University Extension and Social Service:				
85. University Extension	$7,550 00		$1,821 76	$5,728 24
86. Social Service Building and Department	3,075 00		60 36	3,014 64
	$10,625 00		$1,882 12	$8,742 88
IX. Residences and Dining Hall:				
87. Men's Residences	$5,350 00		$114 37	$5,235 63
88. Women's Residences	20,920 00		2,310 89	18,609 11
89. Dining Hall	31,250 00	$1,259 10		32,509 10
90. University College Women's Union	6,070 00	542 03		6,612 03
	$63,590 00	$1,801 13	$2,425 26	$62,965 87
X. 91. Royal Ontario Museum	$17,500 00		$13 28	$17,486 72
XI. 92. Central Light, Heat and Power Plant	$46,500 00		$2,278 21	$44,221 79
XII. 93. Contingencies	$4,000 00	$6,413 30		$10,413 30
XIII. 94. Capital Account Charges	$74,418 00			$74,418 00

Recapitulation.

I. Administration	$151,415 00	$138 05	$15,730 12	$135,822 93
II. Faculty of Arts	287,888 00	4,069 51	7,561 35	284,396 16
III. Faculty of Medicine	91,276 00		4,204 89	87,071 11
IV. Faculty of Applied Science	128,042 00	338 67	8,197 07	120,183 60
V. Faculty of Household Science	17,555 00		422 11	17,132 89
VI. Faculty of Education	71,100 00	291 03		71,391 03
VII. Faculty of Forestry	12,575 00		374 33	12,200 67
VIII. University Extension and Social Service	10,625 00		1,882 12	8,742 88
IX. Residences and Dining Hall	63,590 00	1,801 13	2,425 26	62,965 87
X. Royal Ontario Museum	17,500 00		13 28	17,486 72
XI. Central Power Plant	46,500 00		2,278 21	44,221 79
XII. Contingencies	4,000 00	6,413 30		10,413 30
XIII. Capital Account Charges	74,418 00			74,418 00
	$976,484 00	$13,051 69	$43,088 74	$946,446 95
			13,051 69	
			$30,037 05	
	$30,037 05			
Total expenditure under appropriations	$946,446 95			

1. Administration.

1. *Salaries.*

President's Office.

Sir Robert Falconer, K.C.M.G., President, 12 mos. to 30 June.	$8,000 00	
Miss A. W. Patterson, President's Secretary, 12 mos. to 30 June	1,400 00	
		$9,400 00

Bursar's Office.

F. A. Mouré, Bursar, 12 mos. to 30 June	$3,800 00	
W. R. Hamilton, Accountant, 12 mos. to 30 June	1,500 00	
H. J. Bolitho, Fees Clerk, 12 mos. to 30 June, $1,700; bonus, $100	1,800 00	
Miss A. M. Gall, Clerk and Stenographer, 12 mos. to 30 June	1,000 00	
Miss K. W. Huntington, Voucher Clerk, 12 mos. to 30 June, $850; bonus, $50	900 00	
C. E. Higginbottom, Office Assistant, 12 mos. to 30 June	800 00	
Miss E. B. Goodwin, Clerk and Stenographer, 12 mos. to 30 June	700 00	
W. W. MacDonald, Clerk, 12 mos. to 30 June	600 00	
J. P. Jones, Clerk at $550 (war service, half pay)	275 00	
		11,375 00

Registrar's Office.

J. Brebner, Registrar, 12 mos. to 30 June	$3,300 00	
A. B. Fennell, Assistant Registrar and Secretary to Residence Committee, at $1,700 (war service, half pay)	850 00	
A. T. Laidlaw, Assistant, 12 mos. to 30 June	1,600 00	
Miss E. M. Dickson, Clerk, 1 July to 31 January, at $1,000 (resigned)	583 33	
Miss I. G. O'Neil, Clerk, 6 mos. at $650; 6 mos. at $800	725 00	
Miss N. MacKenzie, Minute Clerk, 12 mos. to 30 June	800 00	
Stenographers, each 12 mos. to 30 June:		
Miss M. McMillan	800 00	
Miss A. S. Meen	800 00	
Miss E. M. Sharpe	700 00	
Miss J. R. White	700 00	
		10,858 33

Superintendent's Office.

G. Campbell, Superintendent of Buildings and Grounds, 12 mos. to 30 June	$3,000 00	
A. D. LePan, Joint Superintendent, at $2,600 (war service, part pay)	800 00	
W. H. Bonus, Assistant Superintendent, 12 mos. to 30 June	1,400 00	
E. A. Ridge, Chief Clerk, 11 mos. to 31 May, at $800; plus 1 day in June, 1916, at $55 per mo. (resigned)	735 15	
Stenographers:		
Miss Ada Kidd, 11 mos. to 31 May at $775 (resigned)	710 41	
Miss G. Hagen, 11 mos. to 31 May at $775 (resigned)	710 41	
Miss J. Bell, 28 May to 30 June at $15 per week	74 28	
Miss M. Higgins, 11 to 30 June at $12 per week	35 43	
Clerks:		
Miss M. Lundy, 26 June to 7 September, at $8.50 per week	85 00	
Miss K. Fahey, 26 September to 2 November, at $8 per week, $45.33; 3 November to 17 May, at $8.50 per week, $238; 18 May to 30 June, at $10 per week, $62.82	346 15	
Miss J. B. Galbraith, 4½ days at $3	13 50	
Miss J. B. White, 2 days at $2	4 00	
R. Scrimgeour, 1 day	1 50	
W. L. D. Carnie, 40½ hours at 50c.	20 25	
T. G. L. Barnes, 15 hours at 50c.	7 50	
		7,943 58

1. *Salaries.*—Continued.

Library.

H. H. Langton, Librarian, 12 mos. to 30 June	$3,300 00	
Miss G. Buchan, First Assistant, 12 mos. to 30 June	1,200 00	
Assistants, each 12 mos. to 30 June:		
Miss E. Creighton	800 00	
Miss H. Fairbairn	800 00	
Miss G. Cayley	800 00	
Mrs. A. C. Jones	800 00	
Miss H. G. B. Woolryche	800 00	
Miss A. H. Young, Cataloguer, 12 mos. to 30 June	1,200 00	
Assistant Cataloguers, each 12 mos. to 30 June:		
Miss E. V. Bethune	800 00	
Miss A. E. Stennett	700 00	
Miss I. Edwards	600 00	
Miss E. Aldridge, Typewriting Assistant to Cataloguers, 12 mos. to 30 June	700 00	
Miss L. M. Mason, Order and Accession Clerk, 12 mos. to 30 June	1,000 00	
Delivery Clerks, each 12 mos. to 30 June:		
Miss M. L. Newton	700 00	
Miss M. Murphy	600 00	
S. H. Fussell, Attendant (with rooms, heat and light as Caretaker of building), 12 mos. to 30 June	700 00	
		15,500 00

Museum.

C. T. Currelly, Director of Archaeological Section, 12 mos. to 30 June	$3,000 00	
		$3,000 00

Gymnasium.

J. W. Barton, Physical Director, 12 mos. to 30 June	$2,300 00	
T. A. Reed, Financial Secretary to Athletic Directorate, 12 mos. to 30 June (charged to receipts from Athletic Field)	1,800 00	
A. Williams, Instructor, 12 mos. to 30 June (reduced service)	550 00	
		4,650 00

General Service.

R. Martin, Bedel, 12 mos. to 30 June (resigned)	$1,220 00	
W. H. Fox, Mechanician at $1,150 (war service, half salary paid to wife)	575 00	
E. F. McKee, substitute, 915¾ hours at 47½c.; 161½ hours at 57½c.	527 69	
Protective service (see also under Grounds):		
Constables:		
J. Christie, at $1,100, war service, part salary paid to wife, $400; allowance credited to pension fund for year, $100	500 00	
W. May, substitute, 1 July to 31 Aug., at $700; 1 September to 30 June, at $725	720 82	
D. Forbes, 1 July to 31 August, at $750; 1 September to 30 June, at $800	791 66	
Nightwatchmen:		
D. Black, 12 mos. to 30 June	725 00	
H. McIntosh, 1 July to 31 August, at $725; 1 September to 31 May, at $772	699 86	
J. Clinton, 1 to 30 June	60 00	
W. Sims, July and 15 August to 15 Sept.	120 00	
D. Featherstone, 14 September to 31 October, at $696; 1 November to 30 June, at $720	568 93	
W. Greenwood, 1 July to 15 Oct., at $700	204 19	
D. McGregor, 18 October to 30 November, at $55 per mo.; 1 December to 31 January, at $700 per annum; 1 February to 30 June at $720	497 35	

1. *Salaries.*—Continued.

Occasional service, relieving, etc.:		
J. Prattis, $392.85; J. Banford, $38.89; J. S. Young, $8	439 74	
C. C. Grant, Secretary to Students' Administrative Council, 12 mos. to 30 June (charged to Fees)	900 00	
		8,550 24
		$71,277 15
Less charged to Athletic Field receipts	$1,800 00	
Less charged to Fees	900 00	
		2,700 00
		$68,577 15

2. *Pensions.*

James Loudon, LL.D., obit. 29 December, pension continued to widow to 30 June	$5,500 00	
		5,500 00

3. *President's Office.*

Office supplies, postage, printing and incidentals ($250.00):		
Wm. Briggs, printing report	$99 20	
Harry Edwards & Son, duplicating letters	8 45	
President Sir Robert Falconer, petty disbursements	42 95	
Office Specialty Mfg. Co., transfer cases	2 10	
Photography, Dept. of, prints	2 00	
University Press, printing and stationery	95 30	
		$250 00

4 *Bursar's Office.*

Office supplies, postage, printing and incidentals ($1,369.77):		
J. Bennett Co., letter books	$9 20	
Burroughs Adding Machine Co., inspection and supplies	11 11	
The Bursar, petty disbursements, $87.52; postage, $245.00; Inland Revenue stamps, $222.00	554 52	
Elliott-Fisher, ribbons	9 25	
Five-in-One Letter Envelope Co., envelopes	20 00	
Miss Florence Gall, 2½ weeks' clerical assistance at $10.00	25 00	
Grand & Toy, cheque books, $63.00; war tax stamps and embossing, $86.00; supplies, $20.60	169 60	
Lake Simcoe Ice Supply Co., ice	4 00	
W. W. MacDonald, 1 week's extra clerical assistance	10 00	
C. W. Mack, rubber stamps	3 65	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., bookcase, $32.25; transfer cases, $8.00	40 25	
Students' Book Department, almanacs	2 75	
United Typewriter Co., fyling cases, etc., $42.08; repairs, $18.20	60 28	
University Dining Hall, occasional meals to clerks during work on annual report	3 05	
University Press, printing, stationery and supplies	427 36	
G. T. Veal, city map	5 00	
Superintendent's Department, telephone arm	4 75	
Vault shelving, etc. ($537.00):		
Office Specialty Mfg. Co.	537 00	
Auditor's remuneration ($700.00):		
G. T. Clarkson	700 00	
		$2,606 77

5. *Registrar's Office.*

Office supplies and stationery ($610.57):			
Grand & Toy, cards		$15 00	
Lake Simcoe Ice Supply Co., ice		4 00	
Library Bureau, cards and folders		33 65	
Might Directories, city directory		10 00	
National Typewriter Co., repairs		24 50	
Office Specialty Mfg. Co., transfer cases, cards, etc.		31 92	
Photography, Dept. of, prints		1 20	
Students' Book Dept., almanac		90	
United Typewriter Co., typewriter, $110.00, of which $55.00 charged to Roll of Service work, $55.00; repairs, $14.75		69 75	
University Press, stationery and supplies		404 65	
Superintendent's Dept., electric fan		15 00	
Postage ($900.00):			
The Bursar, postage supplied		900 00	
Printing, other than Calendar ($228.00):			
University Press		228 00	
Printing Calendar and Curricula ($1,972.20):			
University Press	$1,997 90		
Students' Book Dept.	4 30		
	$2,002 20		
Less received for advertising in Curricula	30 00		
		1,972 20	
Clerical Assistance ($105.00):			
Miss H. Bartlett, 7 weeks' clerical assistance at $15.00		105 00	
			3,815 77

6. *Superintendent's Office.*

Office supplies, postage, printing and incidentals ($651.13):		
The Bursar, postage supplied	$105 00	
Canada Stamp & Stencil Co., stamps, etc.	11 36	
Copeland-Chatterson Co., binder	5 00	
Evening Telegram, advertising for workmen	4 02	
Lake Simcoe Ice Supply Co., ice	4 01	
Maclean Publishing Co., reprints	22 00	
Map Co., mounting	4 25	
McKay School Equipment, fyling cabinet	75 00	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., cards	2 21	
Photography, Dept. of, prints and slides	5 80	
Remington Typewriter Co., inspection	6 75	
Students' Book Dept., note books	2 50	
University of Toronto Engineering Society, tracing linen, etc.	8 75	
United Typewriter Co., inspection and supplies	22 25	
F. E. Watson, plans	2 50	
University Press, stationery, printing and supplies	344 10	
Petty items (8)	7 47	
Superintendent's Dept., labour, $5.19; material, $6.45	11 64	
	$654 61	
Less received from sale of plans	3 48	
		$651 13

7. *Library.*

(*a*) Maintenance of Building:

Heat and light (supplied from Central Power Plant):	
Gas ($36.62):	
Consumers' Gas Co.	$36 62
Water ($50.74):	
City Treasurer	50 74
Caretaker's supplies ($91.70):	
Superintendent's Dept., material	91 70

7. *Library.*—Continued.

Cleaning ($604.03):		
Allen Mfg. Co., laundry	9 95	
Canadian Cleaning Co., cleaning windows	24 10	
Ontario Laundry Co., laundry	73	
Superintendent's Dept., labour	569 25	
Repairs and renewals ($622.21):		
Card & McConnell, exterminating rats	3 75	
City Treasurer, elevator license	5 00	
F. E. Watson, plans	22 75	
Superintendent's Dept., labour, $420.74; material, $169.97	590 71	
		1,405 30

(*b*) General Library Appropriation:

Books and periodicals, binding and office supplies ($10,133.28):		
E. G. Allen & Son	$9 99	
American Academy of Political and Social Service	5 05	
American Anthropological Association	6 08	
American Association for Advancement of Science	3 53	
American Association for Labour Legislation	5 05	
American Ceramic Society	10 95	
American Chemical Society	15 08	
American Concrete Institute	8 58	
American Economic Association	5 05	
American Institute of Electrical Engineers	5 83	
American Institute of Mining Engineers	18 18	
Amercan Library Association	5 05	
American Mathematical Society	5 05	
American Medical Association	6 56	
American Railway Engineers Association	13 12	
American Society for Testing Materials	14 94	
American Society of Civil Engineers	6 08	
Amercan Society of Mechanical Engineers	15 10	
American Statistical Association	2 05	
R. W. Angus	3 45	
Annual Review Publishing Co.	4 00	
Archaeological Institute of America	8 61	
Astronomical Society of the Pacific	46 32	
H. S. Bardal	2 00	
Boston Book Co.	8 95	
John Britnell & Son	28 20	
Canada Law Book Co.	6 00	
S. R. Carter	5 00	
C. D. Cazenove & Son	1,881 76	
Champlain Society	10 00	
Cedric Chivers	150 25	
John Clark Co.	69 80	
C. T. Currelly	130 00	
Daily Telegraph Newspaper Co., Sydney, N.S.W.	14 53	
Wm. Dawson & Son	481 27	
Educational Co. of Ireland	7 49	
Educational Review Publishing Co.	3 17	
Evening Telegram, Toronto	4 00	
Geological Society of America	7 98	
Ginn & Co.	2 80	
Glasgow, Brook & Co.	20 00	
Johns Hopkins Press	17 58	
Illuminating Engineering Society	45 15	
Institut de Paleontologie Humaine	35 04	
Institute of Mining & Metallurgy	2 67	
International Press	6 00	
Knox College	24 00	
Librairie Beauchemin Limitée	4 12	
Libreria Internazionale	69 28	
Linnean Society of London	10 38	
B. Login & Son	16 28	
Makers of Canada	3 00	

7. *Library.*—Continued.

Manual of Conchology	204 38	
Mathematical Association of America	3 05	
Mississippi Valley Historical Association	2 05	
National Geographic Society	3 05	
National Municipal League	5 05	
New York Evening Post	10 06	
New Zealand Times	12 65	
Leo. S. Olschki	13 20	
Ontario Library Association	5 00	
J. H. Parkin	19 00	
Pioneer Press, Allahabad	22 12	
Powner's Book Store	3 74	
Princeton University Press	6 33	
Public Printing & Stationery Dept., Ottawa	3 00	
G. P. Putnam's Sons	6 58	
Renouf Publishing Co.	9 82	
Garcia Rico & Cie	3 59	
Science Press	3 03	
Société Biblique Protestante de Paris	10 10	
South African Mining Journal Syndicate	9 73	
P. Stammer	13 10	
G. E. Stechert & Co.	349 46	
Students' Book Dept.	2,195 55	
Superintendent of Documents, Washington	3 90	
J. Terquem	822 42	
Thoms & Eron Inc.	61 15	
Torrey Botanical Club	6 08	
University of Chicago Press	42 55	
University of Pennsylvania Museum	21 19	
H. W. Wilson Co.	20 15	
Wistar Institute of Anatomy & Biology	65 77	
G. M. Wrong	3 00	
Sundry small accounts (9)	11 76	
The Bursar, postage supplied	142 00	
The Librarian, disbursements: book deposits refunded, $89.00; books, etc., $4.81; framing prints and letters, $4.55; car tickets, cartage and sundries, $7.61; to be acounted for in 1917-18, $17.65=$123.62; less charged to previous year, $36.36	87 26	
Brown Bros., blank books	33 50	
Canada Furniture Manufacturers, chair	5 05	
T. Eaton Co., baize and cash box	7 70	
Grand & Toy, duplicator, $37.50; transfer cases and supplies, $63.25	100 75	
Library Bureau, book pockets	90 00	
Remington Typewriter Co., inspection, etc.	24 30	
United Typewriter Co., inspection	6 75	
University Press, binding, $1,894.58; printing and stationery, $601.09	2,495 67	
Petty items (2)	1 79	
Freight charges	83 98	
Superintendent's Dept., labour, $42.14; material, $39.21	81 35	
	$10,422 11	
Less graduates' deposits, $170.00; fines, $93.30; replacement of books lost, $12.40; subscriptions to and sales of books, $10.53; book supplied to Dept. of Architecture, $1.10; refund of subscription from American Chemical Society, $1.50	288 83	
		10,133 28
		$11,538 58

9. *Gymnasium and Students' Union.*

(*a*) Maintenance of Building (temporary structure):		
Fuel, ($539.54):		
Connell Anthracite Mining Co.	$539 54	
Water ($35.32):		
City Treasurer	35 32	
Caretaker's supplies ($10.00):		
Superintendent's Dept., material	10 00	
Cleaning ($299.84):		
Superintendent's Dept., labour	299 84	
Repairs and renewals ($308.21):		
Polson Iron Works, repairs to boiler	8 97	
Superintendent's Dept., labour, $152.91; material, $146.33	299 24	
	$1,192 91	
Less sundry credits, cleaning	3 00	
	$1,189 91	
Caretaker, Geo. Hare, 2 months at $800.00; 10 months at $850.00	841 66	
		2,031 57
(*b*) Aid to Athletics:		
Grant to Athletic Association ($800.00):		
University Athletic Association	$800 00	
Gymnastic appliances, etc. ($84.40):		
J. Brotherton, bladders	2 00	
Wm. Cane, repairs	7 00	
G. H. Corsan, water wings	15 00	
O. G. Niemeier, medical supplies	22 15	
W. F. Petry, wands, etc.	4 80	
Harold A. Wilson Co., gloves and balls	33 45	
Instruction in Swimming (including women students), ($1,000.00):		
G. H. Corsan, services as instructor	1,000 00	
Physical Instruction to Women Students ($1,235.36):		
Miss Ivy Coventry, instructress	800 00	
Dr. Geraldine Oakley, examiner	200 00	
Gourlay, Winter & Leeming, piano supplied for classes	30 00	
Pianists' services:		
Miss J. L. Goodman	68 13	
Mrs. A. L. Kautel	19 50	
F. Hanmer, attendant at basketball practices, etc.	24 50	
Women's Athletic Association, University College, disbursements:		
A. G. Spalding & Bros., basket balls	4 50	
Torontonensis, 1917, articles *re* athletic teams	18 00	
University of Toronto Athletic Association, hockey privileges, season, 1916-17	27 50	
Women's Athletic Association, Victoria College, disbursements:		
J. Brotherton, hockey sticks and tennis balls	13 98	
Torontonensis, 1916, articles *re* athletic teams	11 25	
Torontonensis, 1917, articles *re* athletic teams	18 00	
		3,119 76
		$5,151 33

10. *Convocation Hall.*

Heat and light (supplied from Central Power Plant):	
Water ($30.24):	
City Treasurer	$30 24
Caretaker's supplies ($81.99):	
Superintendent's Dept., material	81 99
Cleaning ($491.75):	
Allen Mfg Co., laundry	49
Canadian Cleaning Co., cleaning windows	6 00
A. H. Harraden, cleaning carpets	7 98
Superintendent's Dept., labour	477 28

10. *Convocation Hall.*—Continued.

Repairs and renewals ($1,015.79):		
Wm. Bartlett & Son, shades	3 38	
Card & McConnell, exterminating rats	5 00	
W. E. Dillon Co., repairs to roof	532 28	
Map Co., blue prints	1 75	
A. Matthews, repairs to gutters	6 95	
Routery Bros., plastering	6 85	
Superintendent's Dept., labour, $299.67; material, $159.91.	459 58	
	$1,619 77	
Caretaker, S. J. Apted, 12 months to 30th June (with house, heat and light)	600 00	
	$2,219 77	
Less amount received from Societies, etc. (net)	355 14	
		$1,864 63

11. *Grounds.*

Labour, gravel, roadways, granolithic walks, flowers and shrubs, ($8,191.21):		
Asphaltic Concrete Co., granolithic walks	$60 68	
Abel Boyd, horse	200 00	
Brobst Forestry Co., tree surgery	222 72	
Canadian Allis-Chalmers, turnstile	38 00	
City Treasurer, oiling yard at University Schools, $43.49; installing water service W. S. University Crescent, $35.80; water rates (lawn), $3.75	83 04	
Collett's Carriage Works, blacksmithing	4 50	
Consumers' Gas Co., lamp standards	30 00	
Crescent Concrete Paving Co., granolithic walks	610 79	
T. A. Crow, blacksmithing	16 03	
Dunlop Tire & Rubber Goods Co., hose	28 91	
T. Eaton Co., harness	82 80	
E. A. Goodman, dandelion destroyer	16 00	
H. T. Hadrill, transplanting trees	15 30	
Hardware Co. of Toronto, tools	9 57	
Geo. F. Martin, flowers	58 80	
J. H. McCabe, fodder	84 43	
Page Wire Fence Co., fencing	80 35	
Dr. J. N. Pringle, veterinary service	18 50	
M. Rawlinson, teaming	30 55	
R. Robertson & Sons, masonry	32 10	
John Rydall, blacksmithing	6 25	
Steele, Briggs Seed Co., seeds	73 70	
W. H. Thomson, teaming	292 40	
Toronto Nurseries, shrubs, etc.	33 00	
F. E. Watson, plans	61 00	
Petty items (3)	2 23	
Superintendent's Dept., labour, $5,626.75: material, $428.17	6,054 92	
	$8,246 57	
Less received from sale of material, etc., $6.97; use of tennis courts, $33.00; cartage, $15.39	55 36	
	$8,191 21	
Foreman gardener, G. Trotter, 12 months to 30th June	800 00	
Protective Service ($256.06):		
W. Sims, ½ month at $60.00 per month	30 00	
A. A. Allan & Co., caps	5 00	
T. Eaton Co., uniforms	28 00	
Eco Clock Co., dial forms	10 30	
C. M. Gilchrist & Co., uniforms	44 00	
International Time Recording Co., repairs to watchmen's clock, etc.	10 10	
Patterson & Heward, badges	7 50	
Freight and duty charges	5 20	
Superintendent's Dept., labor, $75.79; material, $40.17	115 96	

11. *Grounds.*—Continued.

Special Guards at Central Power Plant ($1,159.00):		
(at $60.00 per month):		
W. Simpson, 4 months, 23 nights	286 00	
G. T. Young, 4 months, 23 nights	286 00	
G. Imlack, 4 months, 12 nights	264 00	
E. F. Mundy, 1 month, 28 nights	116 00	
J. Leyden, 1 month, 13 nights	86 00	
B. Long, 24½ nights	49 00	
M. Downs, 21 nights	42 00	
W. Batchelor, 6 nights	12 00	
R. Warren, 6 nights	12 00	
G. Lavis, 2 nights	4 00	
J. P. Blackhall, 1 night	2 00	
		$10,406 27

12. *Examinations.*

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Abbott, A. H.	5 75				5 75
Addison, Miss M. E. T.			3 00		3 00
Aldous, J. E. P.	25 90	7 00			32 90
Alexander, W. J.	12 25				12 25
Allan, F. B.	6 25				6 25
Allison, W. C.	20 00				20 00
Anderson, G. R.	5 25				5 25
Angus, R. W.	10 50				10 50
Ardagh, E. G. R.	5 75				5 75
Atkinson, G. D.	27 50	4 05			31 55
Auger, C. E.	23 50				23 50
Baillie, W. H. T.	2 75				2 75
Baines, A. M.	45 00				45 00
Baker, A. W.	36 50				36 50
Baker, H. W.			10 50		10 50
Ballard, W. H.		4 00	5 00		9 00
Banting, E. W.			22 50		22 50
Beatty, S.	59 00				59 00
Bell, W. J.	5 75				5 75
Bensley, B. A.	11 75				11 75
Berry, A. E.				4 50	4 50
Bethune, C. J. S.	12 50				12 50
Bingham, G. A.	50 00				50 00
Blachford, F. E.	10 00				10 00
Bluethner, W. A.	26 65	5 60			32 25
Boddington, D. H.			27 00		27 00
Bole, C. L.				2 00	2 00
Boswell, M. C.	10 25				10 25
Bott, E. A.			1 50		1 50
Boyd, Geoffrey	90 00				90 00
Brebner, W. B.				25 50	25 50
Brett, G. S.	18 01				18 01
Brodey, A.	6 00				6 00
Brodie, J. B.				19 50	19 50
Broome, E.	10 00				10 00
Brown, A. Grant	5 50				5 50
Buchanan, M. A.	10 75				10 75
Burt-Gerrans, J. T.			13 50		13 50
Burton, E. F.	7 00				7 00
Butler, T. B.				1 50	1 50
Caesar, L.	17 75				17 75
Caley, D. R.	11 50				11 50
Cameron, I. H.	123 75				123 75
Cameron, J. Home	7 00				7 00
Cameron, M. H. V.	55 00				55 00
Campbell, J. A.	5 75				5 75
Campbell, W. R.	9 00				9 00
Carruthers, A.	11 50				11 50
Cavell, H. W.				50 00	50 00
Clark, A. F. B.	17 75				17 75
Clawson, W. H.	24 25		59 00		83 25
Cleland, F. A.	45 00				45 00
Clute, A. R.	17 00				17 00
Cohen, I.	20 00				20 00
Cosgrave, F. H.	6 00				6 00
Crawford, H. J.			9 00		9 00
Crawford, J. T.			28 50		28 50
Crerar, S. R.			16 50		16 50

12. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Cringan, A. T.	21 20	6 45			27 65
Crow, J. W.	5 50				5 50
Cudmore, S. A.	24 25		52 50		76 75
Daniher, E. L.			42 50		42 50
Day, G. E.	8 75				8 75
De Beaumont, V.	13 00		30 00		43 00
De Lury, A. T.	18 25				18 25
Detweiler, H. K.	5 50				5 50
De Wit, N. W.	5 75				5 75
Dickson, Miss A. I.			51 00		51 00
Duff, D.	13 25				13 25
Dyer, F. C.			1 50		1 50
Elliott, J. H.	45 00				45 00
Ellsworth, H. V.			12 00		12 00
Evans, G. A.	24 50				24 50
Fairclough, W. E.	70 51				70 51
Fairley, B.	5 25				5 25
Faull, J. H.	27 25				27 25
Fitzgerald, J. G.	15 50				15 50
Fletcher, J.	16 00				16 00
Floyd, L. H.				9 00	9 00
Forsyth, W. O.	134 75	200 00			334 75
Fry, H. S.	5 50				5 50
Fulmer, H. L.	20 75				20 75
Funnell, W. S.	19 25				19 25
Gallie, W. E.	55 00				55 00
Gardiner, W. A.				6 50	6 50
Gibson, A. L.	21 50				21 50
Gillespie, P.	5 00				5 00
Goldie, Wm.	110 00				110 00
Graham, R. R.	19 50				19 50
Grange, E. A. A.	11 75				11 75
Green, L. A.		2 00	2 00		4 00
Guest, W. S.			16 50		16 50
Hallam, W. T.			18 00		18 00
Ham, A.	42 88				42 88
Harcourt, R.	26 50				26 50
Harris, C. L. M.	22 80	9 50			32 30
Harrison, J. W. F.	58 20	12 05			70 25
Hart, N. C.	8 00		1 50		9 50
Hartman, F. A.	17 75				17 75
Hayes, J. W.	20 00				20 00
Heebner, C. F.	49 00				49 00
Henderson, V. E.	10 50				10 50
Hendrick, A. C.	45 00				45 00
Henry, Robt.				18 00	18 00
Hern, F.	33 00				33 00
Hewlett, W. H.	17 50	3 25			20 75
Higginbottom, C. E.			1 50		1 50
Howland, G. W.	10 00				10 00
Howitt, J. E.	33 75				33 75
Hunter, A.	15 75				15 75
Hutton, M.	10 50				10 50
Ireton, H. J. C.			1 00		1 00
Iveson, W. L.	10 50				10 50
Jackman, W. T.	12 00		45 00		57 00
Jamieson, Miss E. A.		1 05			1 05
Jeanneret, F. C. A.	24 00		68 00		92 00

12. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Johnston, G. W.	19 12				19 12
Johnston, S. C.	5 50				5 50
Jones, D. H.	32 75				32 75
Kendall, E. W.			37 50		37 50
Kennedy, W. P. M.	15 00				15 00
Kenrick, F. B.	19 25				19 25
Kihl, V.	31 00	10 50			41 50
King, H. M.	35 25				35 25
Kinnear, J. A.	109 75				109 75
Kirkwood, W. A.	5 00				5 00
Kittredge, R. E. L.			19 50		19 50
Laing, A. T.	5 25				5 25
Lane, W. B.	5 75				5 75
Lang, A. E.	5 50				5 50
Langford, A. L.	10 50				10 50
Le Drew, H. H.	11 50				11 50
Little, J. G.		2 00	3 00		5 00
Livingstone, G. C.	9 00				9 00
Loudon, J. D.	55 00				55 00
Loudon, W. J.	5 42				5 42
Lyon, L. B.	20 00				20 00
Mabee, O. R.	70 75				70 75
Mabee, W. J.	50 00				50 00
Macallum, A. B.	5 75				5 75
Macallum, A. Bruce	17 00				17 00
MacCallum, J. M.	90 00				90 00
MacIver, R. M.	5 25				5 25
Mackenzie, M. A.	6 50				6 50
Maclennan, D. N.	95 00				95 00
MacLennan, D. S.	20 00				20 00
Marcellus, F. N.	18 75				18 75
Margison, O.			21 00		21 00
Marshall, C. E.	11 50				11 50
Martin, R. A.				31 50	31 50
Martin, T.	26 20	11 50			37 70
Mavor, J.	6 26				6 26
Mayberry, C. A.		2 00	2 00		4 00
McCollum, J.	10 00				10 00
McCulloch, E. A.	11 50				11 50
McDiarmid, H. H.				16 50	16 50
McDonald, K. D.				23 50	23 50
McGillivray, D.	11 00	53			11 53
McGowan, J.	10 75				10 75
McIlwraith, K. C.	90 00				90 00
McIntyre, G. C.	20 00				20 00
McLennan, J. C.	5 25				5 25
McMurrich, J. P.	12 25				12 25
McPhedran, A.	134 00				134 00
McPhedran, W. F.	45 00				45 00
McQueen, D. G.		2 00	2 00		4 00
Meader, F. D.	12 00				12 00
Meek, J. F.				5 50	5 50
Michael, J. H.	10 50				10 50
Mickle, G. R.	10 00				10 00
Miller, W. Lash	5 00				5 00
Moorhead, A. S.	55 00				55 00
Murray, J.	9 25				9 25

12. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Nelson, H. D.	5 75	.....	.....	.....	5 75
Northup, G. T.	5 25	.....	.....	.....	5 25
Oille, J. A.	65 00	.....	.....	.....	65 00
Oliver, M. J.	8 37	.....	.....	.....	8 37
Olsen, F.	.....	.....	1 50	.....	1 50
Owen, E. T.	11 25	.....	.....	.....	11 25
Palmer, E. F.	5 50	.....	.....	.....	5 50
Parkin, J. H.	5 50	.....	.....	.....	5 50
Parks, W. A.	6 38	.....	.....	.....	6 38
Porritt, G. H.	24 50	10 45	.....	.....	34 95
Pounder, I. R.	5 25	.....	27 00	.....	32 25
Powell, F. G.	16 25	.....	.....	.....	16 25
Powell, N. A.	18 50	.....	.....	.....	18 50
Pratt, E. J.	.....	.....	69 50	.....	69 50
Pringle, J. N.	25 00	.....	.....	.....	25 00
Radcliffe, S. J.	.....	2 00	3 00	.....	5 00
Richardson, W. L. C.	.....	.....	35 00	.....	35 00
Ritchie, C. F.	17 00	.....	.....	.....	17 00
Robertson, D. E.	45 00	.....	.....	.....	45 00
Robertson, J. C.	5 75	.....	.....	.....	5 75
Robertson, W. J.	.....	2 00	2 00	.....	4 00
Robinson, T. R.	5 75	.....	13 50	.....	19 25
Rollo, Wm.	5 50	.....	.....	.....	5 50
Rolph, F. W	13 50	.....	.....	.....	13 50
Rosebrugh, T. R.	5 25	.....	.....	.....	5 25
Ross, G. W	94 00	.....	.....	.....	94 00
Ross, R. A.	15 00	.....	.....	.....	15 00
Royal College of Dental Surgeons	256 75	37 90	.....	.....	294 65
Rudolf, R. D.	45 00	.....	.....	.....	45 00
Rutherford, W. W.	.....	2 00	2 00	.....	4 00
Sackville, J. P.	18 00	.....	.....	.....	18 00
Sandiford, P.	.....	.....	22 50	.....	22 50
Satterly, J.	23 08	.....	.....	.....	23 08
Saunders, D. W.	6 00	.....	.....	.....	6 00
Scarrow, A. N.	.....	.....	9 00	.....	9 00
Schuch, E. W.	10 00	.....	.....	.....	10 00
Scott, F. R.	.....	.....	9 00	.....	9 00
Scott, P. L.	24 50	.....	.....	.....	24 50
Scott, Wm. A.	154 75	.....	.....	.....	154 75
Sexton, J. H.	.....	2 00	2 00	.....	4 00
Shortreed, Miss M.	.....	.....	1 50	.....	1 50
Shouldice, E. E.	40 00	.....	.....	.....	40 00
Shuttleworth, C. B.	50 00	.....	.....	.....	50 00
Sissons, C. B.	35 50	.....	.....	.....	35 50
Skeeles, L. O. C.	.....	.....	7 50	.....	7 50
Smith, G. O.	10 75	.....	.....	.....	10 75
Smith, W. G.	.....	.....	45 00	.....	45 00
Smither, W. J.	.....	.....	39 00	.....	39 00
Spry, J.	18 75	.....	.....	.....	18 75
Squair, J.	11 13	.....	.....	.....	11 13
Squirrell, W. J.	9 25	.....	.....	.....	9 25
Stapells, H. G.	.....	.....	.....	5 00	5 00
Starr, C. L.	10 00	.....	.....	.....	10 00
Stone, R. E.	6 25	.....	.....	.....	6 25
Strong, J. I.	.....	25	2 00	.....	2 25
Tannahill, R. D.	.....	.....	.....	4 50	4 50
Tattersall, R.	20 00	9 00	.....	.....	29 00
Taylor, W. R.	5 50	.....	1 50	.....	7 00
Thomas, H. F.	.....	2 00	2 00	.....	4 00

12. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Thomas, W. D.	5 50	.....	.....	.....	5 50
Thomson, D. J.	.....	.....	13 50	.....	13 50
Thomson, E.	5 25	.....	.....	.....	5 25
Thomson, R. B.	14 75	.....	.....	.....	14 75
Tier, Wm.	.....	2 00	3 00	.....	5 00
Treadgold, W. M.	5 25	.....	.....	.....	5 25
Tye, W. F.	10 00	.....	.....	.....	10 00
Unwin, G. H.	44 50	.....	.....	.....	44 50
Uren, J. F.	55 00	.....	.....	.....	55 00
Vogt, A. S.	27 50	.....	.....	.....	27 50
Walker, A. C.	5 75	.....	.....	.....	5 75
Walker, A. H.	5 50	.....	.....	.....	5 50
Walker, D.	.....	2 50	3 00	.....	5 50
Walker, T. L.	6 38	.....	.....	.....	6 38
Wallace, G. L.	.....	.....	13 50	.....	13 50
Wallace, J. B.	6 00	.....	44 00	.....	50 00
Watson, B. P.	153 75	.....	.....	.....	153 75
Watson, F. E.	.....	.....	21 00	.....	21 00
Welsman, F. S.	39 15	6 00	.....	.....	45 15
Wells, P.	23 85	13 60	.....	.....	37 45
Wesley, R. W.	45 00	.....	.....	.....	45 00
Will, J. S.	5 75	.....	.....	.....	5 75
Willan, H.	37 62	.....	.....	.....	37 62
Willson, H. G.	.....	.....	15 00	.....	15 00
Wishart, D. J. G.	95 00	.....	.....	.....	95 00
Woodcock, J. N.	17 25	.....	21 00	.....	38 25
Wright, A. B.	55 00	.....	.....	.....	55 00
Wrong, G. M.	24 00	.....	.....	.....	24 00
Wrong, Miss M.	.....	.....	1 50	.....	1 50
Young, A. H.	29 25	.....	.....	.....	29 25
Young, C. R.	5 00	.....	.....	.....	5 00
Young, G. S.	55 00	.....	.....	.....	55 00
Zavitz, C. A.	5 50	.....	.....	.....	5 50
	5,343 36	375 18	1,054 00	223 00	6,995 54

Apportionment.

	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Arts	697 90	53	539 00	128 00	1,365 43
Medicine	2,713 50	1 05	76 50	28 50	2,819 55
Engineering and Applied Science	142 50	.....	192 00	.....	334 50
Education	.....	.....	82 50	41 00	123 50
Law	34 00	.....	3 00	1 00	38 00
Dentistry	256 75	37 90	13 50	20 50	328 65
Pharmacy	122 50	10 45	27 00	2 00	161 95
Music	683 21	325 25	56 00	1 00	1,065 46
Agriculture	514 25	.....	34 50	.....	548 75
Veterinary Science	178 75	.....	30 00	1 00	209 75
	5,343 36	375 18	1,054 00	223 00	6,995 54

12. *Examinations.*—Continued.

Remuneration to Examiners (as detailed above)		$5,343 36	
Presiding and attendance (as detailed above)		1,277 00	
Examination supplies and sundries, including incidental expenses of Examiners ($776.25):			
Examiners' expenses (as detailed above)		375 18	
University Press, examination books, stationery and supplies		142 32	
Filling in diplomas:			
Edith E. Shaw, $18.50; R. M. Williams, $70.10		88 60	
Rent of rooms and pianos at various centres:			
Albert College	$10 00		
W. H. Ballard	2 85		
R. Collins	2 00		
Fletcher Bros.	6 00		
Mrs. J. E. Hollingshead	5 00		
J. G. Little	1 50		
Nordheimer Piano and Music Co.	14 00		
Miss B. Peace	3 00		
W. W. Rutherford	4 50		
F. W. Scherer	3 00		
		51 85	
Revising lists and determining awards *re* scholarship examinations:			
F. B. Allan	$2 05		
J. Brebner	7 35		
		9 40	
T. Fisher, collecting and delivering examination papers		2 00	
C. F. Heebner, supplies for Pharmacy examinations		58 55	
R. A. Martin, culling unused paper from examination books		22 50	
P. L. Scott, supplies for Pharmacy examinations		3 35	
W. Wilson, collecting and delivering examination papers		15 00	
Superintendent's Dept., labor		7 50	
Printing examination papers and class lists ($1,965.25):			
University Press		1,965 25	
			$9,361 86

13. *Convocation Expenses.*

Geo. Coles, catering	$130 00	
Harcourt & Sons, hoods	70 00	
University Press, printing	117 65	
Attendants at $2.00 each:		
J. Ashcroft, A. Duncan, R. Ferguson, D. Forbes, H. Kitchen, A. McWilliams, J. W. Rogerson, A. Troop, C. Williams	18 00	
Superintendent's Dept., labor, $20.15; material, $3.60	23 75	
		$359 40

14. *Receptions to Societies and University Visitors.*

Royal Canadian Institute, share of expenses *re* lecture given by Professor Loeb	$27 87
Expenses *re* lecture given by Prof. Lanson ($81.50):	
Honorarium for lecture	50 00
King Edward Hotel, accommodation for Professor and Madame Lanson	27 00
W. W. Dundas, auto hire	4 50
University Schools, reception to parents ($64.93):	
Prof. H. J. Crawford, disbursements	59 13
University Press, printing invitations	5 80
Expenses *re* concert given by Russian Choir ($40.68):	
University of Toronto Faculty Union, dinner to leaders	8 00
Townsend's Livery, auto hire	10 00
University Press, printing programmes	21 05
Telegrams, etc.	1 63
Geo. Coles, catering at reception to Ontario Educational Association	40 00
University of Toronto Faculty Union, teas for returned soldiers	14 10

14. *Receptions to Societies and University Visitors.*—Continued.

Attendants at sundry lectures:			
S. J. Apted		16 00	
D. Forbes		2 00	
D. Small		2 00	
J. Wicksey		2 00	
			$291 08

15. *Telephones.*

Bell Telephone Co., telephone service to 30th June, 1917		$2,674 39	
Less receipts from sub-services	$464 37		
And from slot machines	16 22		
		480 59	
		$2,193 80	
Switchboard operators ($836.35):			
Miss E. Fox, 52 weeks, 2 days at $7.75 per week		$405 21	
Miss F. Benner, 52 weeks, 2 days at $7.50 per week		392 14	
Miss E. McDonald, relieving, 3 weeks		23 00	
Miss M. White, relieving, 8 days		9 00	
Miss M. Rolls, relieving, 1 week		7 00	
			$3,030 15

16. *Insurance.*

Balance of premiums on general schedule brought forward from 1915-16	$15,029 89		
Carried forward to 1917-18 (Schedule 5a)	7,514 95		
Charged to revenue, 1916-17		$7,514 94	
Hydro-Electric Power Commission, inspection of wiring		50 00	
			$7,564 94

17. *Advertising Expenses.*

General Advertising ($876.59):			
Acta Ridleiana		$4 00	
Acta Victoriana		20 00	
American Forestry Journal		5 60	
Applied Science		4 99	
Canadian Almanac		15 00	
Canadian Engineer		50 00	
Canadian Forestry Journal		12 50	
Canadian Medical Association Journal		49 50	
Canadian Mining Journal		45 00	
Imperial Year Book		40 00	
Ontario Catholic Year Book		15 00	
The "School"		60 00	
St. Andrew's College Review		15 00	
St. Michael's College Year Book		20 00	
Torontonensis, 1917		60 00	
Trinity University Review		20 00	
University Magazine, Montreal		72 00	
University Monthly		200 00	
University Y.M.C.A. Handbook		10 00	
Upper Canada College Times		8 00	
"Varsity" 1915-16 account	$75 00		
"Varsity" 1916-17 account	75 00		
		150 00	
Advertising *re* tenders for fuel ($46.50):			
Evening Telegram		10 00	
Globe Printing Co.		4 20	
Mail and Empire		10 50	
News Publishing Co.		5 00	
Toronto Daily Star		10 50	
Toronto World		6 30	

17. *Advertising Expenses.*—Continued.

Sundry announcements inserted by the President ($279.06):		
Evening Telegram	42 14	
Globe Printing Co.	45 36	
Mail and Empire	40 96	
News Publishing Co.	32 94	
Toronto Daily Star	51 16	
Toronto World	66 50	
		$1,202 15

18. *Aid to Publications and Societies.*

Astronomical Journal	$100 00	
Universities Bureau of the British Empire	250 00	
University Monthly	500 00	
University Engineering Society	150 00	
		$1,000 00

19. *University Studies.*

H. H. Langton, remuneration as General Editor, 12 months to 30th June	$200 00	
Printing and binding ($1,264.05):		
University Press	1,257 55	
Miss H. Fairbairn, typewriting copy	6 50	
Reprints ($135.27):		
American Chemical Society	13 41	
A. Bruce Macallum	8 75	
The Royal Society	95 44	
Taylor & Francis	17 67	
Royalties on sales ($70.00):		
H. H. Langton	35 00	
G. M. Wrong	35 00	
Contributors ($173.00):		
W. N. Bell	1 00	
L. J. Burpee	2 00	
W. J. A. Donald	2 00	
C. E. Fryer	17 00	
Judge Howay	21 00	
A. F. Hunter	6 50	
W. P. M. Kennedy	7 00	
James Kenney	6 00	
H. H. Langton	14 00	
R. M. McIver	8 00	
A. MacMechan	8 00	
Chester Martin	9 00	
W. S. Milner	24 00	
W. B. Munro	7 00	
Mrs. Adelaide Plumptre	3 00	
James White	3 00	
G. M. Wrong	28 00	
Hume Wrong	2 50	
Miss M. C. Wrong	4 00	
	$1,842 32	
Less charged to Trusts Funds Account	243 00	
		$1,599 32

20. *Law Costs.*

John A. Paterson, K.C., taxed costs as solicitor to the University	$492 73	
Less sundry credits	5 00	
		$487 73

21. *General Incidentals.*

Travelling expenses of the Board of Governors and the Senate ($120.85):		
Board of Governors:		
Judge C. G. Snider	$40 00	
Members of the Senate:		
Wm. Burt	34 00	
G. C. Creelman	7 50	
Wm. Dale	35 35	
R. A. Thompson	4 00	
Travelling expenses of the President and Academic Staff ($443.82):		
A. H. Abbott	10 00	
R. W. Angus	7 30	
E. A. Dale	10 70	
A. T. DeLury	35 45	
W. H. Ellis	25 00	
President Falconer	74 55	
Wm. Goldie	10 10	
M. Hutton	9 65	
J. J. R. Macleod	9 00	
J. J. Mackenzie	40 35	
J. P. McMurrich	6 90	
Marcel Moraud	30 20	
J. H. Parkin	92 05	
A. Primrose	38 41	
J. E. Shaw	32 66	
D. J. Gibb Wishart	11 50	
		$564 67
		$135,822 93

II. Faculty of Arts.

23. *Salaries.*

(1) Departments in University of Toronto ($174,087.96).

Mathematics.

Professors, each 12 mos. to 30th June:		
A. Baker (also Dean of Faculty)	$4,000 00	
A. T. DeLury	3,800 00	
M. A. Mackenzie	3,400 00	
J. C. Fields	3,400 00	
Lecturers (Sessional):		
S. Beatty	2,000 00	
I. R. Pounder	1,500 00	
Fellows (Sessional) at $500:		
T. H. Milne	500 00	
F. Phillips	500 00	
		$19,100 00

Mechanics.

W. J. Loudon, Professor, 12 mos. to 30th June	$3,800 00	
		$3,800 00

Physics.

J. C. McLennan, Professor, 12 mos. to 30th June	$4,000 00	
E. F. Burton, Associate Professor, 12 mos. to 30th June	2,700 00	
Assistant Professors, each 12 mos. to 30th June:		
L. Gilchrist, at $2,100 (war service, half pay)	1,050 00	
J. Satterly, $2,100; also Assistant Director of Undergraduate Laboratory, $500	2,600 00	
H. A. McTaggart, Lecturer (Sessional) at $1,700 (war service, half pay)	850 00	
H. F. Dawes, Temporary Lecturer (Sessional)	450 00	

23. *Salaries.*—Continued.

Assistant Demonstrators (Sessional):		
J. F. T. Young	700 00	
D. S. Ainslie	640 00	
H. A. Braendle	500 00	
R. C. Dearle (part time)	62 50	
H. J. C. Ireton	500 00	
F. W. Kemp	500 00	
R. J. Lang	500 00	
R. C. Moffatt	500 00	
A. C. Wilson (part time)	47 00	
Miss A. T. Reed, Class Assistant (Sessional) and Stenographer, combined salary for 12 mos. to 30th June	800 00	
P. Blackman, Lecture and Laboratory Assistant (Sessional) at $1,000 (war service, part pay)	100 00	
Mechanicians:		
T. S. Plaskett, 12 mos. to 30th June	1,250 00	
J. W. Lawson, Assistant, 12 mos. to 30th June	800 00	
G. W. Kiernan, Assistant (Sessional)	365 00	
Glass-blower and Laboratory Assistant:		
H. R. Lindsley, 1st July to 15th Feb., at $1,250 per annum (resigned)	781 24	
F. D. Mezen, Glass-blower, 18 weeks, 4 hours at $12 per week of 10 hours	220 80	
R. Hamer, Laboratory Assistant, 15th March to 30th June, at $40 per month	140 00	
S. Richardson, Attendant at $300, obit. 21st Aug., payment continued to widow to 31st Dec.	150 00	
		$20,206 54

Astro-Physics.

C. A. Chant, Associate Professor, 12 mos. to 30th June	$3,100 00	
Assistants (Sessional):		
J. P. Henderson	500 00	
F. L. Blake	100 00	
G. A. Preston	50 00	
H. R. Rowan	50 00	
		$3,800 00

Geology.

A. P. Coleman, Professor, 12 mos. to 30th June	$4,000 00	
W. A. Parks, Professor of Palaeontology, 12 mos. to 30th June	3,300 00	
A. MacLean, Lecturer (Sessional)	1,900 00	
Laboratory Attendant (Sessional) at $50 a mo.:		
R. Leggatte, 1st Oct. to 30th Nov.	100 00	
F. Barton, 1st Dec. to 15th May	275 00	
		$9,575 00

Mineralogy.

T. L. Walker, Professor, 12 mos. to 30th June	$3,800 00	
A. L. Parsons, Assistant Professor, 12 mos. to 30th June	2,400 00	
Ellis Thomson, Lecturer (Sessional)	1,400 00	
Laboratory Attendant (Sessional):		
W. Allingham (war service), payment to mother at $10 a mo. for 7 mos.	70 00	
H. George, substitute, 7 mos. at $50	350 00	
		$8,020 00

Chemistry.

W. R. Lang, Professor at $3,800 (war service, half pay)	$1,900 00	
W. S. Funnell, Lecturer (Sessional), substitute	1,500 00	
W. Lash Miller, Professor of Physical Chemistry, 12 mos. to 30th June	3,800 00	
F. B. Kenrick, Associate Professor at $3,100 (war service, half pay)	1,550 00	

23. *Salaries.*—Continued.

G. H. Brother, Assistant (Sessional), substitute	800 00	
F. B. Allan, Associate Professor, Organic Chemistry, 12 mos. to 30th June	3,100 00	
Assistants (Sessional) at $600:		
G. B. Frost (resigned 5th March)	390 00	
E. I. Fulmer (and extra work, $135)	735 00	
Assistants (Sessional) at $500:		
Miss S. N. Boyd	500 00	
F. Oleson (resigned 15th April)	406 25	
E. J. Repath, Laboratory Assistant (with rooms, heat and light as caretaker of Chemical building), 12 mos. to 30th June, $800; Lecture Assistant (Sessional) $100	900 00	
John Smith, Laboratory Attendant, 12 mos. to 30th June (resigned)	600 00	
		$16,181 25

Biology.

B. A. Bensley, Professor of Zoology, 12 mos. to 30th June	$3,400 00	
W. H. Piersol, Associate Professor of Histology, 12 mos. to 30th June	2,800 00	
E. M. Walker, Assistant Professor of Zoology, 12 mos. to 30th June	2,300 00	
Lecturers (Sessional):		
W. H. T. Baillie, Comparative Anatomy, at $1,300 (half Session only)	650 00	
W. A. Clemens, Elementary Biology	1,300 00	
A. F. Coventry, Vertebrate Embryology, at $1,600 (war service, half pay)	800 00	
E. H. Craigie, Demonstrator (Sessional)	800 00	
Class Assistants (Sessional):		
M. D. McKichan (paid also in Therapeutics)	400 00	
L. O. C. Skeeles	200 00	
R. G. Birrell	100 00	
H. G. Willson	100 00	
Miss D. Fraser	90 00	
W. E. Henry	80 00	
W. W. Moffat	80 00	
N. O. Thomas	60 00	
Miss F. Hardy	40 00	
D. B. Wilson	20 00	
Miss B. K. Mossop, Assistant in Systematic Biology (Sessional, half time)	300 00	
Preparator (Sessional):		
O. P. Sullivan, 260 hrs. at 75c.	195 00	
N. A. Found, 154 hrs. at 75c.	115 50	
W. B. Barnes, 84 hrs. at 75c.	63 00	
A. G. McPhedran, 30 hrs. at 75c.	22 50	
W. R. Quinn, 66½ hrs. at 50c.	33 25	
A. Pride, Sub-Curator of Biological Museum, 12 mos. to 30th June	850 00	
E. B. S. Logier, Museum Assistant and Cataloguer (half time), at $32.50 per month	298 75	
Miss E. Mason, Office Assistant, 12 mos. to 30th June	550 00	
F. W. Small, Laboratory Attendant, 10½ mos. to 15th May at $480 per annum	420 00	
		$16,068 00

Botany.

Associate Professors, each 12 mos. to 30th June:		
J. H. Faull	$3,100 00	
R. B. Thomson	2,700 00	
C. D. Howe, Assistant Professor, 12 mos. to 30th June at $2,400, of which $1,200 charged to Forestry	1,200 00	
J. H. White, Lecturer (Sessional) at $2,000, of which $1,500 charged to Forestry	500 00	

23. *Salaries.*—Continued.

Demonstrators (Sessional) at $800:		
Miss J. McFarlane	800 00	
N. C. Hart	800 00	
Miss G. Wright, Fellow (Sessional)	500 00	
G. H. Duff, Assistant (Sessional)	300 00	
A. Simpson, Gardener, 12 mos. to 30th June	1,000 00	
J. Armstrong, Laboratory Attendant, 12 mos. to 30th June	300 00	
		$11,200 00

Bio-Chemistry.

A. B. Macallum, Professor, 12 mos. to 30th June	$4,000 00	
Lecturers (Sessional):		
E. J. Baumann, also Demonstrator	1,600 00	
A. Bruce Macallum (Easter term)	600 00	
Miss G. M. Griffiths, Assistant (Sessional)	500 00	
Laboratory Assistants:		
J. Lowndes, at $650, war service, balance after payment of substitute	150 00	
F. W. Ward, substitute, 8 mos. salary	500 00	
A. E. Giddens, 12 mos. to 30th June (paid also in Physiology)	650 00	
Miss C. Casserly, Stenographer, 8 mos. to 28th Feb., at $625 (resigned)	416 66	
		$8,416 66

Physiology.

T. G. Brodie, Professor, July and August at $4,000, $666.66 (obit. 20th Aug.); 6 mos. salary granted as compassionate allowance to widow, Alice Brodie, $2,000	$2,666.66	
Lecturers (Sessional) at $2,000:		
F. A. Hartman	2,000 00	
V. H. Mottram (resigned 31st March)	1,500 00	
Fellows (Sessional) at $500:		
W. E. Blatz	500 00	
Miss L. McPhedran	500 00	
Assistant (Sessional):		
Miss M. G. Marsh (appointment cancelled on death of Dr. Brodie)—compensation allowance voted	250 00	
Mrs. M. McFarlane, 23rd Oct. to 30th June at $800 per annum	552 69	
Mechanician:		
C. Stewart, 1st July to 31st Aug. at $900 (enlisted)	150 00	
John Hay, substitute, 25th Sept. to 31st March, at $900; 1st April to 30th June at $1,200	765 00	
Laboratory Assistant:		
F. L. Robinson, at $750, war service, balance after payment of substitute	262 50	
G. Laking, substitute, 1st Oct. to 30th April at $650 per annum	379 17	
L. G. Kilborn, substitute, 1st May to 30th June at $650 per annum	108 33	
Laboratory Attendants:		
G. Laking, 1st July to 30th Sept. at $536 per annum, half time, balance in Surgery (transferred to Assistantship)	67 00	
A. E, Giddens (Sessional—paid also in Bio-Chemistry)	50 00	
Mrs. Rachel Green, Cleaner, 20th Dec. to 30th June at $6.00 per week	165 00	
		$9,916 35

History and Ethnology.

G. M. Wrong, Professor, 12 mos. to 30th June	$4,000 00	
Lecturers (Sessional), each war service, half pay:		
R. Hodder Williams, at $1,900	950 00	
G. M. Smith, at $1,600	800 00	
V. Massey, at $500	250 00	
W. S. Wallace, at $500	250 00	

23. *Salaries.*—Continued.

Miss H. McMurchie, Instructor (Sessional)	1,100 00	
W. P. M. Kennedy, substitute Lecturer (Sessional, paid also in English)	750 00	
S. H. Hooke, Special Lecturer (Sessional)	500 00	
		$8,600 00

Comparative Philology.

A. J. Bell, Professor, 12 mos. to 30th June	$600 00	
		$600 00

Italian and Spanish.

Professors, each 12 mos. to 30th June:		
W. H. Fraser (obit. 28th Dec.), salary to 30th June continued to widow	$3,800 00	
M. A. Buchanan	3,100 00	
G. T. Northup, Assistant Professor, 12 mos. to 30th June (resigned)	2,400 00	
Instructors (Sessional) at $900:		
M. Catalano (war service, half pay)	450 00	
L. Passarelli, substitute	900 00	
		$10,650 00

Philosophy and Psychology.

Professors, each 12 mos. to 30th June:		
J. G. Hume, Professor of History of Philosophy	$3,600 00	
G. S. Brett, Professor of Philosophy (part time)	2,100 00	
A. H. Abbott, Associate Professor, 1st July to 31st Oct., at $3,100; war service (munitions), half pay from 1st Nov. (paid also as Secretary, University Extension)	2,066 66	
E. A. Bott, Special Lecturer (substitute), 1st Nov. to 31st May at $112.50 per mo. (paid also as Laboratory Assistant, Psychology)	787 50	
Assistant Professors, each 12 mos. to 30th June:		
W. G. Smith, Psychology	2,400 00	
T. R. Robinson, Philosophy	2,400 00	
E. J. Pratt, Demonstrator, Psychology (Sessional)	1,000 00	
Laboratory Assistants, Psychology (Sessional):		
E. A. Bott (paid also as Special Lecturer)	300 00	
V. T. Mooney	300 00	
		$14,954 16

Political Science.

J. Mavor, Professor, 12 mos. to 30th June	$4,000 00	
R. M. MacIver, Associate Professor, 12 mos. to 30th June	2,600 00	
Lecturers (Sessional):		
S. A. Cudmore	1,900 00	
W. T. Jackman	1,900 00	
A. H. F. Lefroy, Professor of Roman Law, Jurisprudence and History of English Law, 12 mos. to 30th June, $1,300; additional lectures (Sessional) in Federal Constitutional Law, $700	2,000 00	
J. D. Falconbridge, Lecturer in Commercial and International Law (Sessional)	600 00	
		$13,000 00

(2) *Departments in University College* ($71,150.00).

Greek.

M. Hutton, Professor, 12 mos. to 30th June (paid also as Principal, University College)	$4,000 00	
A. Carruthers, Associate Professor, 12 mos. to 30th June	3,200 00	
		$7,200 00

23. *Salaries.*—Continued.

Latin.

J. Fletcher, Professor, 12 mos. to 30th June (absent on sick leave from January)	$4,000 00	
G. W. Johnston, Associate Professor (obit. 4th May), salary to 30th June continued to widow (further compassionate allowance of $3,100 charged to "Contingencies)	3,100 00	
G. Oswald Smith, Assistant Professor, 12 mos. to 30th June	2,400 00	
D. Duff, Lecturer (Sessional)	1,700 00	
		$11,200 00

Ancient History.

W. S. Milner, Professor, 12 mos. to 30th June	$3,800 00	
Lecturers (Sessional):		
A. Grant Brown	1,800 00	
E. A. Dale (on leave of absence without salary)	.....	
C. N. Cochrane at $1,500 (war service, half pay)	750 00	
		$6,350 00

English.

W. J. Alexander, Professor, 12 mos. to 30th June	$4,000 00	
D. R. Keys, Associate Professor, Anglo-Saxon, 12 mos. to 30th June	3,200 00	
M. W. Wallace, Professor, at $3,100 (war service, half pay)	1,550 00	
Lecturers (Sessional):		
W. P. M. Kennedy, substitute (paid also in History)	750 00	
W. H. Clawson	2,000 00	
A. F. B. Clark	1,600 00	
		$13,100 00

French.

Professors, each 12 mos. to 30th June:		
J. Home Cameron	$3,300 00	
J. S. Will (paid also as Registrar of University College)	3,100 00	
St. E. De Champ, Associate Professor, 12 mos. to 30th June	2,800 00	
Lecturers (Sessional):		
F. C. A. Jeanneret	1,500 00	
J. B. Wallace	1,400 00	
Leon Feraru	1,200 00	
Instructors (Sessional), each war service, full pay:		
P. Balbaud	800 00	
L. A. Bibet	500 00	
		$14,600 00

German.

G. H. Needler, Professor, at $3,400 (war service, half pay)	$1,700 00	
B. Fairley, Associate Professor, 12 mos. to 30th June	2,600 00	
P. Toews, Assistant Professor, at $2,300, absent on sick leave, part pay	1,300 00	
G. E. Holt, Lecturer (Sessional)	1,200 00	
		$6,800 00

Oriental Languages.

Professors, each 12 mos. to 30th June:		
W. R. Taylor	$3,300 00	
J. A. Craig	3,100 00	
		$6,400 00

Ethics.

F. Tracy, Professor, 12 mos. to 30th June	$3,300 00	
		$3,300 00

23. *Salaries.*—Continued.

University College, General.

M. Hutton, Principal, 12 mos. to 30th June (paid also as Professor of Greek)	$1,000 00	
J. S. Will, Registrar, 12 mos. to 30th June (paid also as Professor of French)	100 00	
Miss C. Tocque, Registrar's Clerk, 12 mos. to 30th June	600 00	
Miss L. Salter, Lady Superintendent, 6 mos. to 31st December, at $1,000 (retired)	500 00	
		$2,200 00
		$245,237 96

24. *Retiring Allowances.*

Professor R. Ramsay Wright, 12 mos. to 30th June	$2,750 00	
Miss L. Salter, 6 mos. from 1st January, at $700	350 00	
		3,100 00

25. *Main Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($21.27):		
Consumers' Gas Co.	$21 27	
Water ($76.20):		
City Treasurer	76 20	
Caretaker's supplies ($298.39):		
Superintendent's Dept., material	298 39	
Cleaning ($1,861.38):		
Allen Mfg. Co., laundry	12 05	
Canadian Cleaning Co., cleaning windows	55 00	
Ontario Laundry Co., laundry	61	
Superintendent's Dept., labor	1,793 72	
Repairs and renewals ($3,613.16):		
Wm. Bartlett & Son, shades	30 07	
Canada Furniture Manufacturers, chairs	45 00	
Canada Stamp & Stencil Co., stamp	2 94	
Canadian Powers Regulator Co., repairs	46 93	
Card & McConnell, exterminating rats	3 75	
T. Eaton Co., oak flooring	121 00	
Map Co., blue prints	2 10	
A. Matthews, repairs to roof	12 81	
R. Robertson & Sons, pointing stone work	571 33	
Routery Bros., plastering	45 50	
F. E. Watson, plans	9 10	
University Press, door labels	1 55	
Freight charges	72	
Furniture transferred from 85 St. George St., as per Superintendent's report	113 00	
Superintendent's Dept., labor, $1,812.18; material, $795.18.	2,607 36	
	$5,870 40	
Less sundry credits: cleaning, $85.75; repairs, $23.98.	109 73	
	$5,760 67	
Janitor, C. E. Bradshaw, 2 mos. at $900.00; 10 mos. at $950.00.	941 68	
Messenger Service:		
At $4.50 to $6.00 per week:		
James Wallace, 44 weeks	239 95	
Myrtle Bradshaw, 34 weeks, 10 days	199 39	
E. Jarvis, 17 weeks	96 00	
P. Osborne, 8 weeks	36 00	
Car fares of messengers	15 00	
		$7,288 69

26. *Biological Building and Department.*

(*a*) Maintenance of Building:

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($67.46):		
Connell Anthracite Mining Co.	$20 94	
Consumers' Gas Co.	46 52	
Water ($29.48):		
City Treasurer	29 48	
Caretaker's supplies ($151.98):		
Superintendent's Dept., material	151 98	
Cleaning ($605.72):		
Allen Mfg. Co., laundry	17 68	
Canadian Cleaning Co., cleaning windows	35 00	
Ontario Laundry Co., laundry	89	
Superintendent's Dept., labor	552 15	
Repairs and renewals ($1,040.12):		
Wm. Bartlett & Son, shades	12 94	
Card & McConnell, exterminating rats	3 75	
City Treasurer, elevator license	5 00	
Elevator Specialty Co., repairs	4 20	
Map Co., blue prints	1 05	
Routery Bros., plastering	2 70	
Superintendent's Dept., labor, $729.51; material, $280.97	1,010 48	
Caretaker, D. J. Clark (with rooms, heat and light), 2 mos. at $750.00; 10 mos. at $800.00	791 68	
Attendant, Anatomical Section:		
T. J. Richardson, 1 July to 17 March at $550.00 per annum	393 50	
J. Clinton, 26½ hours at 23 1-5 cents per hour	6 12	
H. McCormack, 9 April to 30 June at $55.00 per month (paid also in Anatomy)	83 53	
		$3,169 59

(*b*) Maintenance of Department:

Laboratory and Lecture Room supplies ($272.94):	
Aikenhead Hardware, hones	$8 33
Art Metropole, supplies	8 01
Bausch & Lomb Optical Co., glassware	20 01
W. R. Brock Co., cotton	10 48
Dominion Glass Co., glassware	53 61
T. Eaton Co., strops	3 75
Freyseng Cork Co., corks	14 61
Inland Revenue Dept., methylated spirits	23 03
Lyman Bros. & Co., chemicals	5 18
Miller Mfg. Co., coats	5 00
Ontario Rubber Co., tubing	3 11
Photography, Dept. of, slides and prints	16 00
J. G. Ramsey & Co., photographic supplies	12 34
Richards Glass Co., vials	6 75
Robert Simpson Co., crocks	6 00
Students' Book Dept., books	14 85
Topley Co., carbons	8 40
W. Lloyd Wood, chemicals	20 22
University Press, printing and stationery	12 90
Petty items (4)	6 28
Freight charges	8 80
Superintendent's Dept., material	5 28
Museum specimens, supplies and catalogue ($146.78):	
Concilio Bibliographico, specimens, etc.	100 02
Entomological Society of Ontario, pins	1 50
Lyman Bros. & Co., chemicals and moth balls	2 47
Miss V. K. Mason, cataloguing, 1 month	15 00
Dr. H. J. Veth for account of P. Wytsman (Brussels), specimens	19 12
Freight charges	1 07
Superintendent's Dept., material	7 60

26. *Biological Building and Department.*—Continued.

Marine and Lake Laboratories ($41.80):			
Expenses to and from stations and collecting:			
Prof. E. M. Walker, travelling expenses	$50 00		
Less returned, unused of advance of 1915-16 to H. T. White	8 20		
		41 80	
Students' Laboratory supplies ($715.50):			
Applied Chemistry, Dept. of, alcohol		11 00	
W. R. Brock Co., cloth		20 22	
J. J. Dickson, frogs		78 75	
J. F. Hartz Co., slide boxes and cover glasses		240 21	
W. R. Linton, rabbits		56 25	
Lyman Bros. & Co., chemicals		12 03	
Marine Biological Laboratory, material		62 22	
J. Stevens & Son, lifters		23 75	
Students' Book Dept., books		4 50	
Toronto Dog and Cat Hospital, rabbits		4 80	
W. Lloyd Wood, chemicals		23 44	
University Press, drawing pads, etc.		175 33	
Superintendent's Dept., material		3 00	
New microscopes and apparatus ($149.51):			
Bausch & Lomb Optical Co., microscopes, etc.		119 90	
Ingram & Bell, forceps		10 50	
A. F. Small, trays		16 25	
Freight charges		2 86	
Furnishings, departmental fittings and incidentals ($290.70):			
Allen Mfg. Co., laundry		11 73	
Prof. B. A. Bensley, disbursements:			
Laboratory supplies, stationery, etc., $16.17; postage and car fares, $14.50; hardware, oil, etc., $2.37; animals and fodder, $2.23; express and cartage, $2.20; sundries, $2.53		40 00	
T. Eaton Co., desk, $32.50; towels, etc., $14.46		46 96	
Library Bureau, cards		3 40	
Macey Office Equipment Co., card cabinets, etc.		8 85	
Remington Typewriter Co., inspection		9 00	
Toronto Hydro-Electric System, heaters		15 00	
University Press, stationery and supplies		52 40	
Freight charges		12 49	
Superintendent's Dept., labor, $49.10; material, $41.77		90 87	
Messenger Service ($190.83):			
Boys at $5.00 per week:			
P. Brangwin, 25 weeks, 1 day		125 83	
A. Stockdale, 13 weeks		65 00	
Alterations in Laboratory ($598.27):			
R. Robertson & Sons, masonry		75 26	
Routery Bros., plastering		133 00	
Superintendent's Dept., labor, $216.17; material, $173.84		390 01	
		$2,406 33	
Less received from Royal College of Dental Surgeons for embalming animals		31 10	
			$2,375 23
			$5,544 82

27. *Sub-Department of Botany.*

Apparatus and equipment ($464.44):	
Wm. Bartlett & Son, shades	$13 86
Bausch & Lomb Optical Co., glassware and apparatus	38 57
T. Eaton Co., lamp, etc.	7 40
Ingram & Bell, needles	7 20
Library Bureau, cases	7 70
Rudd Paper Box Co., boxes	21 00
Topley Co., microscope and apparatus	206 27
Freight charges	5 13
Superintendent's Dept., labor, $116.35; material, $40.96	157 31

27. *Sub-Department of Botany.*—Continued.

Laboratory and office supplies ($259.92):	
Bausch & Lomb Optical Co., circles	4 61
W. R. Brock Co., cloth	14 75
The Bursar, postage supplied	8 00
Freyseng Cork Co., corks	6 75
Prof. J. H. Faull, disbursements:	
Sundry expenses collecting class material, $11.76; laboratory supplies, $6.90; cleaning, $1.75; express, $1.73; refund of laboratory deposit, $1.00	23 14
Prof. C. D. Howe, petty disbursements	4 75
Ingram & Bell, chemicals and glassware	12 79
Inland Revenue Dept., methylated spirits	11 97
Marine Biological Laboratory, material	14 00
Photography, Dept. of, slides and prints	16 45
Plant Study Co., material	4 28
Prof. R. B. Thomson, disbursements:	
Car fares and postage, $12.43; flowers, etc., $9.28; pencil sharpener, $2.55; sundries, $2.28	26 54
Topley Co., chemicals, boxes, etc.	23 25
United Typewriter Co., inspection	4 50
University Press, stationery and supplies	79 86
Freight charges	2 48
Superintendent's Dept., material	1 80
Museum and Herbarium supplies ($410.43):	
E. Bartholomew, plants	41 75
Bausch & Lomb Optical Co., mounts, etc.	62 46
Miss D. Bawden, plants	10 00
F. S. Collins, plants	10 08
T. Eaton Co., camphor	3 20
Inland Revenue Dept., methylated spirits	11 98
Lyman Bros. & Co., chemicals	10 10
Photography, Dept. of, slides and prints	7 85
Rudd Paper Box Co., boxes	55 50
Prof. R. B. Thomson, customs entries	12 00
J. E. Tilden, plants	77 52
Topley Co., jars	52 06
University Press, mounting paper	15 15
Freight charges	14 86
Superintendent's Dept., labor, $5.63; material, $20.29	25 92
Assistance in Museum and Herbarium ($400.55):	
Miss L. V. Baker, 100 hours at 40c. per hour	40 00
Dr. A. Cosens, collecting insects	75 00
G. H. Duff, 125 hours at 40c. per hour	50 00
N. C. Hart, 231 hours at 40c. per hour (paid also on salary list)	92 40
Miss I. Underhill, 409 hours at 35c. per hour	143 15
Botanic Garden and Greenhouse supplies, materials and labor in connection ($990.75):	
Aikenhead Hardware, skylight opener, etc.	6 33
Barber-Ellis, envelopes	4 25
Botanical Nursery Co., material	1 57
Brown Bros., plants	2 50
W. Calder & Son, braces	5 50
T. J. Lane, seeds	9 14
Macmillan Co. of Canada, books	12 00
J. Manning, manure	10 00
G. McCormack, manure	8 00
Ontario Lime Co., sand	19 25
M. Rawlinson, cartage	4 50
R. Robertson & Sons, removing rubbish	23 46
Sand & Supplies, Ltd., sand	5 20
J. A. Simmers, plants and pots	36 85
Prof. R. B. Thomson, disbursements:	
Hardware, oils, etc., $21.40; flowers, seeds, etc., $17.42; books, etc., $13.49; car fares, $8.49; glass tubes, $5.55; board, etc., for laborer, $4.94; express, $1.85; sundries, $16.58	89 72

27. *Sub-Department of Botany.*—Continued.

University Press, cards	6 00	
Freight charges	1 30	
Superintendent's Dept., labor, $6.53; material, $23.01	29 54	
Miss L. V. Baker, 100 hours at 40c. per hour	40 00	
N. C. Hart, 214 hours at 40c. per hour (paid also on salary list)	85 60	
A. Kay, collecting specimens	7 00	
Joseph Simpson, 6 months, 18 days at $65.00 per month, $427.85; overtime, 10 hours at 25c., $2.50; 8 hours at 35c., $2.80	433 15	
Geo. Thomson, 144½ hours at 25c., $36.14; 14 hours at 30c., $4.20; 222 hours at 35c., $77.70	118 04	
Miss I. Underhill, 91 hours at 35c.	31 85	
Clerical Assistance ($143.50):		
Miss I. Underhill, 410 hours at 35c. per hour	143 50	
Alterations in Laboratory ($298.21):		
Superintendent's Dept., labor, $89.79; material, $208.42	298 21	
Converting stable into gardener's quarters ($2,251.18):		
R. Robertson & Sons, masonry	586 68	
Routery Bros., plastering	363 00	
Superintendent's Dept., labor, $472.88; material, $828.62	1,301 50	
Converting stable into laboratory ($1,418.98):		
City Treasurer, permit	3 50	
A. Matthews, piping	62 10	
Superintendent's Dept., labor, $789.67; material, $563.71	1,353 38	
Fittings for new laboratory ($401.40):		
T. Eaton Co., shades	6 47	
W. F. Petry, shelving, tables, etc.	245 00	
Robert Simpson Co., chairs	17 50	
Prof. R. B. Thomson, sundry purchases	10 06	
Superintendent's Dept., labor, $82.22; material, $40.15	122 37	
	$7,039 36	
Less received from students for breakages, $49.85; sale of cases, $2.00	51 85	
		$6,987 51

28. *Department of Bio-Chemistry.*

Maintenance, laboratory and office supplies ($1,421.89):		
Allen Mfg. Co., laundry	$5 14	
Arlington Chemical Co., chemicals	16 10	
Baird & Tatlock (London), glassware, supplies and apparatus	85 57	
Canadian Carbonate Co., gas	6 00	
E. P. Dolbey & Co., brushes	10 92	
T. Eaton Co., supplies	53 40	
Eimer & Amend, chemicals	249 90	
General Chemical Co., chemicals	421 49	
Grasselli Chemical Co., chemicals	49 26	
Ingram & Bell, supplies	8 25	
Lake Simcoe Ice Supply Co., ice	45 84	
Lyman Bros. & Co., chemicals	31 67	
Lyman's, Ltd., Montreal, chemicals	30 33	
Prof. A. B Macallum, disbursements:		
Laboratory supplies, $34.83; animals and fodder, $4.09; car fares, $2.35; express and sundries, $7.58	48 85	
Norton Co., supplies	16 15	
Office Specialty Mfg. Co., bookcase	42 49	
Ontario Rubber Co., tubing	21 90	
Permutit Co., permutit	4 05	
Photography, Dept. of, slides	8 00	
Pure Gluten Food Co., flour	3 20	
Standard Chemical Iron & Lumber Co., chemicals	13 00	
Synthetic Drug Co., chemicals	25 63	
Arthur H. Thomas Co., supplies	100 96	
United Typewriter Co., inspection, etc.	10 55	

28. *Department of Bio-Chemistry.*—Continued.

University Press, stationery and supplies	100 12	
Petty items (3)	2 96	
Freight charges	24 46	
Superintendent's Dept., labor, $54.04; material, $36.75	90 79	
	$1,526 98	
Less received from students for breakages, etc.	105 09	
		$1,421 89

29. *Physiological Department.*

Maintenance, laboratory and office supplies ($1,122.99):		
Aikenhead Hardware, hardware	$85 63	
Anglers' Bait & Mfg. Co., frogs	10 06	
Antitoxin Laboratory, guinea pigs	16 25	
Baines & Peckover, steel	7 26	
Beaver Flint Glass Co., glassware	25 63	
F. E. Becker & Co., shipping charges	13 02	
Wm. Blaikie, castings	16 58	
Cambridge Scientific Instrument Co., packing	10 73	
Canada Metal Co., solder	2 30	
Canadian Carbonate Co., gas	6 00	
Canadian General Electric Co., lamps, etc.	23 62	
Christie, Brown & Co., dog biscuits	25 77	
T. Eaton Co., supplies	29 90	
J. A. Fontaine, frogs	50 00	
W. Freeland, animals, $17.50; meat, $7.56	25 06	
Harris Abattoir Co., glands	3 50	
E. Harris Co., resin	5 00	
Geo. M. Hendry Co., supplies	3 00	
Ingram & Bell, medical supplies	74 25	
Inland Revenue Dept., methylated spirits	24 68	
Leeds & Northrup Co., lamps	6 28	
Lyman Bros. & Co., chemicals	92 96	
Prof. A. B. Macallum, cost of shipping the late Prof. Brodie's books to England	3 96	
Prof. A. B. Macallum, disbursements: Chemicals and laboratory supplies, $38.55; hardware, oils, etc., $33.97; animals, $30.75; cans, $12.50; car fares and postage, $9.62; food for animals, $9.46; laundry, $9.01; customs duty, $2.25; express and cartage, $1.95; sundries, $11.14	159 20	
D. K. McLaren, laces	4 80	
A. F. Moore, wire	38 96	
T. Motton, wiring rheostats	23 10	
National Dental Co., scroll chuck	17 10	
Ontario Rubber Co., tubing	36 05	
Quality Brass Foundry, brass	16 02	
J. G. Ramsey & Co., photographic supplies	6 60	
Spencer Lens Co., supplies	12 30	
Standard Foundry Co., castings	15 06	
Wm. Stoughton, fodder	3 99	
Toronto Dog and Cat Hospital, animals	65 10	
University Press, printing and stationery	63 44	
Petty items (3)	3 77	
Freight charges	10 22	
Superintendent's Dept., labor, $40.04; material, $45.80	85 84	
Apparatus ($231.71):		
Canadian General Electric Co., apparatus	44 62	
Harvard Apparatus Co., pneumograph	34 02	
Superintendent's Dept., labor, $59.28; material, $93.79	153 07	
		$1,354 70

30. *Chemical Building and Department.*

(*a*) Maintenance of Building:			
Heat and light (supplied from Central Power Plant):			
Gas, city current and occasional fuel ($225.84):			
Connell Anthracite Mining Co.		$83 62	
Consumers' Gas Co.		142 22	
Water ($35.89):			
City Treasurer		35 89	
Caretaker's supplies ($75.41):			
Superintendent's Dept., material		75 41	
Cleaning ($694.21):			
Allen Mfg. Co., laundry		5 90	
Canadian Cleaning Co., cleaning windows		12 00	
Ontario Laundry Co., laundry		27	
Superintendent's Dept., labor		676 04	
Repairs and renewals ($460.26):			
Card & McConnell, exterminating rats		5 00	
Superintendent's Dept., labor, $281.83; material, $173.43		455 26	
			$1,491 61
Caretaker, E. Repath (paid as laboratory attendant, with rooms, fuel and light chargeable against building and included in above).			
(*b*) Maintenance of Department:			
Chemicals, glassware and apparatus ($1,226.30):			
Baird & Tatlock (London), tubing, etc.		$88 77	
J. T. Baker Chemical Co., chemicals		157 01	
Bausch & Lomb Optical Co., glassware and apparatus		543 36	
Brown Engineering Corporation, pump		6 00	
W. F. Bumsted, micro-photographs		10 00	
The Bursar, postage supplied		10 00	
Canadian Westinghouse Co., stove		4 00	
T. Eaton Co., sheeting		6 40	
Fletcher Mfg. Co., apparatus and repairs		143 00	
Hardware Co. of Toronto, hardware		33 73	
Imperial Oil Co., oil		3 15	
Lyman Bros. & Co., chemicals		61 20	
Prof. W. Lash Miller, disbursements:			
Laboratory supplies and sundries, $25.70; postage and car fares, $3.14; hardware, oils, etc., $2.10; telegrams, $2.04		32 98	
Moyes Chemical Co., chemicals		6 00	
Ontario Cork Co., corks		25 14	
Ontario Rubber Co., tubing		44 78	
Toronto Hydro-Electric System, meter		6 40	
Toronto School Supply Co., flasks		22 00	
United Typewriter Co., repairs, etc.		9 25	
University Press, printing and stationery		37 05	
Freight charges		20 77	
Superintendent's Dept., labor, $187.05; material, $272.26		459 31	
		$1,730 30	
Less sundry credits:			
Received from Students' Account	$500 00		
Sale of stove	4 00		
		504 00	
		$1,226 30	
Incidental laboratory cleaning ($155.00):			
J. A. Smith, 32 weeks at $3.00		96 00	
J. Deacon, 2 weeks at $4.50		9 00	
A. Crosswell, 1½ months to 30 June at $400.00 per annum		50 00	
			$1,381 30
			$2,872 91

31. *Sub-Department of Physical Chemistry.*

Chemicals, apparatus and maintenance ($302.30):		
Boston Gear Works, gears	$2 33	
Leeds & Northrup Co., apparatus	254 50	
University Press, printing and stationery	11 40	
Freight charges	3 30	
Superintendent's Dept., labor, $15.79; material, $14.98	30 77	
		$302 30

32. *Physics Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($24.97):		
Connell Anthracite Mining Co.	$7 40	
Consumers' Gas Co.	17 57	
Water ($144.99):		
City Treasurer	144 99	
Caretaker's supplies ($90.04):		
Superintendent's Dept., material	90 04	
Cleaning ($757.84):		
Allen Mfg. Co., laundry	1 75	
Canadian Cleaning Co., cleaning windows	35 00	
Superintendent's Dept., labor	721 09	
Repairs and renewals ($1,161.47):		
Wm. Bartlett & Son, shades	8 61	
Card & McConnell, exterminating rats	7 50	
City Treasurer, elevator license	5 00	
A. Matthews, repairs to roof	17 65	
F. E. Watson, plans	40 95	
Superintendent's Dept., labor, $791.69; material, $290.07	1,081 76	
	$2,179 31	
Less sundry credits: cleaning, $33.00; repairs, $14.11	47 11	
	$2,132 20	
Caretaker, J. Wicksey, 12 months to 30th June	900 00	
		$3,032 20
(*b*) Maintenance of Department:		
Laboratory and workshop supplies ($2,448.62):		
Aikenhead Hardware, hardware	$199 04	
Allen Mfg. Co., laundry	14 79	
Ansco Co., photographic supplies	11 67	
Baines & Peckover, steel	38 11	
Baird & Tatlock (London), drums	129 17	
Bastian Electric Co., wire	4 76	
Beardmore Belting Co., belting	5 15	
British American Oil Co., oil	2 50	
British Oxygen Co., gas	21 46	
The Bursar, postage supplied	20 00	
Canada Metal Co., castings, etc.	42 38	
Canadian Carbonate Co., gas	15 00	
Canadian General Electric Co., wire	3 42	
John Catto & Sons, towels	6 60	
Central Electric Co., electrical supplies	149 84	
Churton & Taylor, lamps	15 80	
Copp Clark Co., paper, etc.	27 55	
Corning Glass Works, tubing	17 70	
Dean Bros., castings	9 10	
Driver Harris Wire Co., wire	3 88	
Eastman Kodak Co., photographic supplies	57 24	
T. Eaton Co., supplies	27 93	
Eimer & Amend, chemicals	24 04	
Elevator Specialty Co., fibre board	3 15	
Freyseng Cork Co., corks	3 00	
A. Gallenkamp & Co., thermometers	6 44	
Hardware Co. of Toronto, hardware	41 31	

32. *Physics Building and Department.—Continued.*

Harrington Bros., chemicals		56 57	
Geo. M. Hendry Co., supplies		19 02	
Adam Hilger, supplies		469 57	
International Glass Co., tubing		65 13	
Kimble-Durand Glass Co., tubing		19 25	
Lake Simcoe Ice Supply Co., ice		22 23	
Lever Bros., gas		26 00	
Lester Storage & Cartage Co., cartage		2 75	
Lyman Bros. & Co., chemicals		56 38	
Prof. J. C. McLennan, disbursements for purchases abroad: Slides, etc., $28.08; spectroscope, $20.51; platinum wire, etc., $17.40; typewriting, $11.98; stationery, books and papers, $11.67; prisms, $8.99; cables, postage and freight, $8.03; to be accounted for in 1917-18, $100.00=$206.66; other disbursements: hardware and sundries, $19.49; cables and long distance messages, $4.71; messenger service, $2.40=$26.60		233 26	
Ontario Rubber Co., tubing, etc		63 48	
Planet Bicycle Co., tubing		4 40	
Chas. Potter, carbons		62 08	
W. G. Pye & Co., supplies		86 72	
Queen City Glass Co., glass		8 00	
J. G. Ramsey & Co., photographic supplies		2 49	
T. G. Rice Wire Mfg. Co., wire cloth		10 30	
Ryrie Bros., repairs		2 50	
Silica Syndicate, tubes		64 50	
Robert Simpson Co., tubes		8 72	
C. H. Stoelting Co., cement		13 83	
Thermal Syndicate, tubing		79 03	
Toronto Furnace & Crematory Co., castings		20 10	
Toronto Wood Turning Works, test-tube racks		10 00	
United Typewriter Co., stencil		4 90	
Veeder Mfg. Co., weights		3 01	
Wells Pattern & Machine Works, patterns		13 30	
R. S. Williams & Sons Co., repairs		2 25	
University Press, part cost of publishing "Notes on Magnetism," $63.67; stationery and supplies, $65.60		129 27	
Petty items (8)		10 46	
Freight charges		54 47	
Superintendent's Dept., labor, $15.73; material, $27.89		43 62	
		$2,568 62	
Less advance to Prof. J. C. McLennan, chargeable to 1917-18 appropriation	$100 00		
Material supplied to University extension	20 00		
		120 00	
			$2,448 62
Apparatus ($1,545.87):			
Bellingham & Stanley, spectrometer		79 01	
British Oxygen Co., apparatus		11 28	
Cambridge Scientific Instrument Co., apparatus		112 81	
Canada Metal Co., apparatus parts		66 73	
Canadian General Electric Co., motors		66 75	
Clapp, Eastham Co., transformers and condensers		108 15	
Consolidated Optical Co., lens		16 00	
Harry W. Cox & Co., apparatus		290 59	
Electric Storage Battery Co., batteries		52 61	
General Electric Co., motors		60 42	
Adam Hilger, spectrograph, etc.		383 18	
Leeds & Northrup Co., resistances		36 51	
H. R. Lindsley, motor		9 00	
Standard Scientific Co., apparatus		18 45	
Trimount Rotary Power Co., pump		140 46	
United Typewriter Co., duplicator		40 00	

32. *Physics Building and Department.*—Continued.

Wells Pattern & Machine Works, apparatus parts	12 00	
Freight charges	41 92	
Experimental tables, cases, books, charts, etc. ($502.98):		
Aikenhead Hardware, fittings	3 33	
Gutta Percha & Rubber, Ltd., tires	8 39	
Macmillan & Co., subscription	7 41	
R. Robertson & Sons, cutting doorway	28 14	
Students' Book Dept., book	60	
Toronto Furnace & Crematory Co., castings	3 00	
Toronto School Supply Co., blackboard	20 40	
W. Younger, furniture and repairs	52 25	
University Press, printing, etc.	3 00	
Superintendent's Dept., labor, $240.37; material, $136.09	376 46	
Workshop assistance ($140.46):		
C. Marriott, 28 weeks, ½ day at $5.00 per week	140 46	
		$4,637 93
		$7,670 13

33. *Sub-Department of Astro-Physics.*

Maintenance ($310.98):		
H. Bakewell, repairs	$3 75	
Prof. C. A. Chant, photographic supplies	8 83	
J. Coulter Co. of Toronto, case	3 25	
Harvard University, supplies	2 25	
Geo. M. Hendry Co., cells	2 36	
Lowell Observatory, slides	12 90	
Lyman Bros. & Co., chemicals	5 27	
Photography, Dept. of, slides and prints	5 95	
J. G. Ramsey & Co., photographic supplies	13 99	
Rogers Electric Co., cord and lamps	8 55	
University of Chicago Press, slides	10 79	
H. G. Wenn, mirrors	2 40	
University Press, binding and stationery	15 90	
Petty items (2)	3 45	
Freight charges	3 07	
Superintendent's Dept., labor, $176.69; material, $31.58	208 27	
Apparatus ($523.29):		
Bausch & Lomb Optical Co., magnifiers	38 15	
John A. Brashear Co., telescope, etc., $167.08; repairs, $50.00	217 08	
Harvard University, measuring machine, $175.31; less paid in 1915-16, $50.52	124 79	
Geo. M. Hendry Co., globes	89 08	
Weston Electrical Instrument Co., meters	31 00	
Freight charges	11 83	
Superintendent's Dept., material	11 36	
		$834 27

34. *Geological Department.*

Maintenance ($280.07):		
Art Metropole, rule	$4 81	
Carnegie Institution of Washington, publications	18 40	
Geological Survey of New Jersey, reports	3 55	
Prof. G. D. Harris, book	3 15	
H. B. Kummell, book	3 49	
Lyman Bros. & Co., chemicals	3 76	
Office Specialty Mfg. Co., cards	3 00	
Prof. W. A. Parks, petty disbursements	8 63	
Photography, Dept. of, slides and prints	66 75	
Students' Book Dept., note books	9 00	
University Press, binding, stationery and supplies	112 75	
Freight charges	1 20	
Superintendent's Dept., labor, $54.53; material, $23.15	77 68	
	$316 17	
Less received from students for breakages	36 10	
		$280 07

35. *Mineralogical Department.*

Maintenance ($441.77):		
Bausch & Lomb Optical Co., apparatus	$275 90	
Eimer & Amend, platimum wire, etc.	29 42	
Grand & Toy, pencil sharpeners	3 00	
H. S. McHenry & Co., boxes	3 50	
Ontario Paper Box Co., boxes	27 80	
Ontario Rubber Co., bumpers, etc.	14 07	
Photography, Dept. of, slides	7 25	
Rogers Electric Co., supplies	4 30	
Students' Book Dept., books	3 15	
James Swift & Son, goniometer	16 39	
Prof. T. L. Walker, petty disbursements	5 03	
Ward's Natural Science Establishment, specimens	27 10	
University Press, stationery and supplies	25 80	
Freight charges	1 10	
Superintendent's Dept., labor, $16.39; material, $8.47	24 86	
	$468 67	
Less received from students for breakages	26 90	
		$441 77

36. *Psychological Department.*

Maintenance ($152.75):		
College Press, printing	$8 00	
Office Specialty Mfg. Co., card cabinet, etc.	37 05	
Prof. W. G. Smith, disbursements:		
Fyles, $5.40; paper, cards, etc., $7.08; metronome, $3.00; sundry laboratory supplies, $9.52	25 00	
University Press, paper	2 50	
Superintendent's Dept., labor, $58.13; material, $22.07	80 20	
		$152 75

37. *Mathematical Department.*

Class room supplies ($67.24):		
Superintendent's Dept., labor, $54.61; material, $12.63	$67 24	
		$67 24

38. *Sub-Department of Mechanics.*

Maintenance ($38.23):		
Hardware Co. of Toronto, scale, etc.	$27 70	
Superintendent's Dept., labor, $8.27; material, $2.26	10 53	
		$38 23

39. *Political Science.*

Class room supplies ($52.85):		
Dominion Paper Box Co., document cases	$37 50	
University Press, stationery and supplies	15 35	
		$52 85

40. *History.*

Class room supplies ($27.45):		
University Press, printing, stationery and supplies	$27 45	
		$27 45

41. *Italian and Spanish.*

Class room supplies ($20.60):		
Students' Book Dept., books	$15 45	
University Press, cards	3 90	
Superintendent's Dept., material	1 25	
		$20 60

42. *University College Departments.*

Greek: (nothing spent).		
Latin ($117.45):		
Mrs. Mary Johnston, slides (collection of the late Prof. G. W. Johnston)	$100 00	
Photography, Dept. of, slides	11 50	
University Press, printing and stationery	5 95	
Ancient History: (nothing spent).		
English ($105.50):		
Reading Essays:		
Mrs. B. Fairley	$88 50	
Mrs. M. W. Wallace	17 00	
French ($46.25):		
Mrs. M. S. Clark, books (collection of the late Prof. M. S. Clark)	8 75	
Photography Dept. of, slides	12 00	
Students' Book Dept., books	8 55	
University Press, printing and stationery	16 95	
German: (nothing spent).		
Orientals ($4.70):		
University Press, stationery	4 70	
Ethics ($5.40):		
Prof. F. Tracy, petty disbursements	5 40	
		$279 30

43. *University College General Expenses.*

Stationery and printing ($53.65):		
The Bursar, postage supplied	$25 00	
University Press, stationery and supplies	28 65	
Advertising ($7.35):		
Evening Telegram	3 15	
News Publishing Co.	2 10	
Toronto Daily Star	2 10	
Incidentals ($14.80):		
Toronto Weekly Railway and Steamboat Guide Co., subscription to "Guide"	5 20	
United Typewriter Co., repairs, etc.	9 60	
		$75 80

44. *Trinity College Service.*

The Bursar, Trinity College, students' car fares for transportation to University lectures	$344 92	
		$344 92
		$284,396 16

III. Faculty of Medicine.

45. *Salaries.*

Anatomy:	
J. P. McMurrich, Professor, 12 mos. to 30 June	$4,000 00
J. C. Watt, Lecturer (Sessional), $1.900; additional course in Topographical Anatomy, $200	2,100 00
E. F. Risdon, Demonstrator for Dental Students (Sessional)	500 00
Assistants (Sessional):	
C. J. Copp	150 00
N. D. Frawley (paid also in Obstetrics and Gynaecology)	150 00
E. R. Hooper	150 00

45. *Salaries.*—Continued.

Wallace A. Scott (paid also in Surgery—war service)	150 00	
G. E. Wilson (paid also in Surgery—war service)	150 00	
G. R. Philp (war service)	100 00	
R. E. Gaby (paid also in Surgery—war service)	50 00	
T. R. Hanley (paid also in Therapeutics)	50 00	
J. E. L. Keyes	50 00	
J. H. McPhedran (paid also in Medicine—war service)	50 00	
Miss G. Oakley, at $50 (Michaelmas Term)	25 00	
C. B. Parker	50 00	
J. X. Robert	50 00	
F. R. Scott	50 00	
William A. Scott (paid also in Obstetrics and Gynaecology)	50 00	
J. S. Simpson	50 00	
Miss G. Dowsley, Technical Assistant, 25 Sept. to 30 June, at $436.00	334 26	
G. Lynne, Caretaker and Laboratory Assistant, 12 mos. to 30 June	850 00	
H. McCormack, Laboratory Attendant, 9 April to 30 June, at $55 a month (of which $30.55 charged as Cleaner, Biological Building)	66 83	
		$9,176 09
Pathology and Bacteriology:		
J. J. Mackenzie, Professor 12 mos. to 30 June	$3,800 00	
D. Graham, Lecturer (Sessional), at $2,000 (war service, half pay)	1,000 00	
H. K. Detweiler, Temporary Instructor (Sessional—paid also from Medical Research Fund)	750 00	
H. Maitland, Fellow (Sessional)	500 00	
Assistants (Sessional):		
J. A. Oille (paid also in Medicine)	150 00	
G. A. Campbell (war service)	100 00	
O. R. Mabee (paid also in Surgery)	100 00	
L. B. Robertson (also in Surgery—war service)	100 00	
H. J. Shields (war service)	100 00	
R. R. Graham (paid also in Surgery)	50 00	
G. W. Lougheed (war service)	50 00	
W. F. McPhedran (paid also in Medicine)	50 00	
R. W. Naylor	50 00	
F. S. Park (paid also in Medicine—war service)	50 00	
W. L. Robinson	50 00	
H. M. Tovell at $50 (half Session)	25 00	
D. H. Boddington, Assistant in Clinical Laboratory (Sessional—paid also in Chemical Pathology)	125 00	
Laboratory Assistants, each 12 mos. to 30th June:		
A. Wilson, at $800 (of which $400 charged as Caretaker of Pathological Building)	400 00	
F. Thibault	650 00	
Laboratory Attendants for preparing media:		
Miss B. Cotton, July 1st to 31st, at $35; 1st August to 15th May, at $40	415 00	
Miss R. Price, 22nd May to 30th June, at $40	53 33	
Miss E. Glassford, 15th July to 15th August, at $30..	30 00	
Miss F. Gaynor, 21st August to 31st December, at $30.	131 00	
Miss L. Palmer, 29th Jan. to 24th Feb., at $5; 25th Feb. to 21st April, at $6; 22nd April to 30th June, at $7 per week	138 00	
Miss I. E. Ruttan, Stenographer, 12 mos. to 30th June ..	700 00	
		$9,567 33
Chemical Pathology:		
A. Hunter, Professor, 12 mos. to 30th June	$3,700 00	
C. G. Imrie, Lecturer (Sessional), at $1,700 (war service, half pay)	850 00	
W. R. Campbell, Demonstrator (Sessional), substitute for Imrie	850 00	

45. *Salaries.*—Continued.

F. W. Rolph, Demonstrator, $500, Assistant in Clinical Laboratory, $250 (Sessional)	750 00	
D. H. Boddington, Assistant in Clinical Laboratory (Sessional—paid also in Pathology)	250 00	
Laboratory Assistant:		
A. Husband, at $650, war service, balance after payment of substitute	150 00	
T. Richardson, substitute, 12 mos. to 30th June	500 00	
Mrs. M. Davis, Laboratory Attendant, 12 mos. to 30th June	300 00	
		$7,350 00
Pharmacy and Pharmacology:		
V. E. Henderson, Associate Professor, at $2,900, (war service, half pay)	$1,450 00	
A. Brodey, Lecturer (Sessional), substitute for Prof. Henderson	1,000 00	
J. A. Macdonald, Instructor (Sessional)	250 00	
F. C. Harrison, Class Assistant (Sessional)	75 00	
T. James, Laboratory Assistant, 12 mos. to 30th June	750 00	
		$3,525 00
Clinical Departments:		
Medicine and Clinical Medicine ($7,004):		
Associates, each 12 mos. to 30th June:		
W. J. McCollum	$300 00	
J. H. Elliott	300 00	
H. C. Parsons (Clinical Medicine only—war service)	300 00	
D. McGillivray (war service)	300 00	
G. W. Howland	300 00	
H. S. Hutchison	300 00	
Demonstrators (Sessional):		
E. C. Burson	250 00	
F. A. Clarkson	250 00	
R. W. Mann	250 00	
A. J. Mackenzie (war service)	250 00	
J. H. McPhedran (paid also in Anatomy—war service)	250 00	
C. S. McVicar (war service)	250 00	
B. O'Reilly	250 00	
G. W. Ross, $250; remuneration for Summer Session, $101 (paid also in Therapeutics)	351 00	
D. K. Smith (war service)	250 00	
G. S. Strathy (war service)	250 00	
C. J. Wagner	250 00	
G. S. Young	250 00	
J. S. Graham (Pediatrics)	250 00	
Alan Brown	200 00	
W. F. McPhedran, $200; remuneration for Summer Session, $101 (paid also in Pathology)	301 00	
A. W. Canfield (Pediatrics)	200 00	
Assistants (Sessional):		
G. F. Boyer (war service)	150 00	
J. D. Loudon, $150; remuneration for Summer Session, $101	251 00	
J. A. Oille, $150; remuneration for Summer Session, $101 (paid also in Pathology)	251 00	
M. B. Whyte	150 00	
G. Bates	50 00	
B. Hannah	50 00	
F. S. Minns	50 00	
T. J. Page	50 00	
F. S. Park (paid also in Pathology—war service)	50 00	
E. J. Trow	50 00	
R. G. Armour (war service, without salary)	.....	
C. D. Parfitt, Lecturer in Tuberculosis Clinic (Sessional)	50 00	

45. *Salaries.*—Continued.

Surgery and Clinical Surgery ($5,441):	
Associates, each 12 mos. to 30th June:	
C. B. Shuttleworth	300 00
J. F. Uren	300 00
T. B. Richardson (war service)	300 00
G. Silverthorn	300 00
E. S. Ryerson (paid also as Assistant Secretary to Faculty—war service)	300 00
W. J. O. Malloch (war service)	300 00
Wallace A. Scott (paid also in Anatomy—war service)	300 00
W. W. Jones	300 00
Demonstrators (Sessional):	
M. H. V. Cameron	250 00
R. E. Gaby (paid also in Anatomy—war service)	250 00
W. E. Gallie	250 00
J. A. Roberts (war service)	250 00
N. S. Shenstone (war service)	250 00
G. E. Wilson (paid also in Anatomy—war service)	250 00
A. B. Wright	250 00
Assistants (Sessional):	
A. S. Moorhead, $150; remuneration for Summer Session, $101	251 00
D. E. Robertson (war service)	100 00
H. W. Baker	50 00
F. A. Cleland	50 00
R. R. Graham (paid also in Pathology)	50 00
C. H. Hair	50 00
O. R. Mabee, $50; remuneration for Summer Session, $101 (paid also in Pathology)	151 00
J. A. McCollum, $50; remuneration for Summer Session, $101 (war service from January)	151 00
P. K. Menzies (war service)	50 00
B. Z. Milner, $50; remuneration for Summer Session, $101	151 00
R. Pearse (war service)	50 00
A. H. Perfect	50 00
L. B. Robertson (paid in Pathology—war service, without salary)	.....
Laboratory Attendants:	
G. Laking, 1st July to 30th September, at $536, half time, balance in Physiology	67 00
Mrs. A. Lewis, 1st March to 30th June, at $35 a month, half time; balance in Obstetrics and Gynaecology	70 00
Obstetrics and Gynaecology ($2,520):	
Associates, each 12 months to 30th June:	
W. B. Hendry (war service)	300 00
J. A. Kinnear	300 00
Demonstrators (Sessional):	
A. C. Hendrick, Gynaecology	250 00
M. M. Crawford, Obstetrics (war service)	250 00
W. J. Mabee, Obstetrics	250 00
S. J. N. Magwood, Obstetrics (war service)	200 00
Assistants (Sessional):	
J. G. Gallie, Obstetrics (war service)	100 00
N. D. Frawley (paid also in Anatomy)	50 00
William A. Scott (paid also in Anatomy)	50 00
R. W. Wesley, Gynaecology	50 00
H. E. Clutterbuck (war service—without salary)	.....
A. Johnston, Laboratory Assistant, 1st July to 28th February, at $600; 1st March to 30th June, at $750	650 00
Mrs. A. Lewis, Laboratory Attendant, 1st March to 30th June, at $35 a month, half time; balance in Surgery	70 00

45. *Salaries.*—Continued.

Ophthalmology ($501):		
Assistants (Sessional):		
C. Campbell	150 00	
D. N. Maclennan, $150; remuneration for Summer Session, $101	251 00	
M. Lyon	50 00	
W. W. Wright (war service)	50 00	
Oto-Laryngology ($600):		
Demonstrators (Sessional):		
P. Goldsmith (war service)	200 00	
P. Goldsmith, arrears for 1914-15	200 00	
G. Royce (war service)	200 00	
Therapeutics ($800):		
C. E. Cole, Demonstrator (Sessional—war Service)	200 00	
Assistants (Sessional):		
G. W. Ross, also Acting head of Department in absence of Dr. Rudolf (paid also in Medicine)	150 00	
S. R. D. Hewitt (war service)	50 00	
W. V. Watson	50 00	
S. Johnston, Demonstrator, Anaesthesia (Sessional)	250 00	
Assistants, Anaesthesia (Sessional):		
T. R. Hanley (paid also in Anatomy)	50 00	
M. D. McKichan (paid also in Biology)	50 00	
Psychiatry ($125):		
J. M. Forster, Associate, 12 mos. to 30th June	50 00	
H. Clare, Demonstrator (Sessional)	25 00	
C. M. Hincks, Special Lecturer in Psychiatry (Sessional)	50 00	
Dental Surgery ($50):		
A. D. A. Mason, Demonstrator (Sessional)	50 00	
		$17,041 00
Associate Professors, each 12 mos. to 30th June:		
H. B. Anderson, Clinical Medicine, etc. (without salary for 1916-17)	.....	
A. M. Baines, Clinical Medicine and Pediatrics	$700 00	
G. A. Bingham, Clinical Surgery and Clinical Anatomy	700 00	
H. A. Bruce, Clinical Surgery (war service)	700 00	
J. T. Fotheringham, Medicine and Clinical Medicine (war service)	700 00	
A. Primrose, Clinical Surgery (paid also as Secretary to Faculty)	700 00	
F. N. G. Starr, Clinical Surgery	700 00	
W. B. Thistle, Clinical Medicine	600 00	
G. Chambers, Clinical Medicine (war service)	450 00	
R. J. Dwyer, Clinical Medicine	450 00	
A. R. Gordon, Clinical Medicine (obit. 16 December), stipend paid to widow	450 00	
H. T. Machell, Obstetrics and Pediatrics	450 00	
W. McKeown, Clinical Surgery (war service)	450 00	
C. L. Starr, Clinical Surgery (Orthopedics—war service)	450 00	
K. C. McIlwraith, Obstetrics	450 00	
W. Goldie, Clinical Medicine	350 00	
F. W. Marlow, Gynaecology	350 00	
G. Boyd, Oto-Laryngology	350 00	
J. Ferguson, Clinical Medicine	350 00	
S. M. Hay, Clinical Surgery	350 00	
A. A. Macdonald, Obstetrics and Gynaecology	350 00	
J. G. Fitzgerald, Hygiene (paid also as Director of Antitoxin Laboratory)	350 00	
		$10,400 00
Professors, each 12 mos. to 30th June:		
I. H. Cameron, Surgery and Clinical Surgery (war service)	$1,050 00	
A. McPhedran, Medicine and Clinical Medicine	1,050 00	
J. A. Amyot, Hygiene (war service)	2,000 00	
R. D. Rudolf, Therapeutics (war service)	1,000 00	
B. P. Watson, Obstetrics and Gynaecology	1,000 00	

45. *Salaries.*—Continued.

N. A. Powell, Medical Jurisprudence, etc.	700 00	
D. J. G. Wishart, Oto-Laryngology, $700; remuneration for Summer Session, $101	801 00	
J. M. MacCallum, Ophthalmology	700 00	
G. S. Ryerson, Ophthalmology	450 00	
G. H. Burnham, Ophthalmology	450 00	
C. K. Clarke, Psychiatry (also Dean of Faculty)	450 00	
N. H. Beemer, Mental Diseases (extra-mural, without salary)	.....	
		$9,651 00

Secretary's Office.

A. Primrose, Secretary to Faculty, 12 mos. to 30th June (paid also as Associate Professor—war service)	$500 00	
E. S. Ryerson, Assistant Secretary (paid also in Surgery—war service)	500 00	
Miss E. A. Jamieson, Assistant, 12 mos. to 30th June	1,150 00	
Stenographers:		
Miss O. Russell, 12 mos. to 30th June	$650 00	
Miss I. M. Thomas, 3 weeks at $10	30 00	
Miss M. L. Sutton, 9 weeks at $10; 2 weeks at $12	114 00	
Miss D. E. Wade, 9 weeks at $12	108 00	
		$3,052 00
		$69,762 42
Less Summer Session remuneration charged to fees		1,010 00
		$68,752 42

46. *Retiring Allowances.*

Retiring allowances to Emeritus Professors (limited to five annual payments):		
A. H. Wright, (fifth payment)	$250 00	
G. R. McDonagh (third payment)	250 00	
		$500 00

47. *Anatomical Department.*

Anatomical Material ($949.57):		
W. B. Barnes	$30 00	
J. M. Crawford	16 00	
I. H. Erb	10 00	
A. B. Holmes	10 00	
F. W. Matthews	355 05	
H. R. Ranks	320 00	
J. K. Shinn	48 00	
Wm. Speers	96 00	
Superintendent's Dept. (boxes), labor, $31.75; material, $32.77	64 52	
Material for preservation, chemicals, etc. ($335.24):		
W. R. Brock Co., cotton	4 08	
Ingram & Bell, chemicals	278 68	
Inland Revenue Dept., methylated spirits	49 05	
Freight charges	3 43	
Incidentals ($238.45):		
Applied Chemistry, Dept. of, alcohol	5 50	
The Bursar, postage supplied	3 00	
Mrs. B. S. Cornell, skeleton, etc.	40 00	
T. Eaton Co., gas plate	1 95	
Hudson-Parker, Ltd., coats	31 50	
Ingram & Bell, incubator, $18.00; slides, etc., $16.03	34 03	
Prof. J. P. McMurrich, disbursements: Postage, $5.00; slides, etc., $3.95; sundries, $3.66	12 61	

47. *Anatomical Department.*—Continued.

Ontario Rubber Co., tubing	3 59	
United Typewriter Co., inspection	6 75	
University Press, stationery and supplies	14 60	
Superintendent's Dept., labor, $36.50; material, $48.42	84 92	
	$1,523 26	
Less sundry credits:		
Architecture Dept., for methylated spirits supplied	1 90	
		$1,521 36

48. *Pathology and Bacteriology.*

Chemicals and supplies ($1,612.87):		
Allen Mfg. Co., laundry	$9 57	
Applied Chemistry, Dept. of, alcohol	5 50	
Baird & Tatlock (London), chemicals, glassware and supplies	692 64	
Bausch & Lomb Optical Co., chemicals	2 40	
The Bursar, postage supplied	7 00	
Canada Furniture Manufacturers, chair	9 55	
Canadian Carbonate Co., gas	27 00	
Digestive Ferments Co., chemicals	3 16	
J. F. Hartz Co., glassware and supplies	44 00	
Ingram & Bell, chemicals and supplies	349 54	
Inland Revenue Dept., methylated spirits	48 87	
W. R. Linton, rabbits	5 25	
Mrs. N. A. C. Lobb, rabbits	6 50	
Lyman Bros. & Co., chemicals	2 87	
Prof. J. J. Mackenzie, disbursements:		
Animals and fodder, $24.65; laboratory supplies, $16.82; pencil sharpener, $2.00; car fares, $2.00; cablegram and sundries, $4.53	50 00	
J. McGillian, fodder	64 50	
L. Rawlinson, cushion	5 50	
Richards Bros., boxes	2 00	
Spencer Lens Co., hones	4 70	
Wm. Staughton, fodder	69 43	
Stuart & Foster, ammonia	24 64	
Toronto Plate Glass Importing Co., glass	9 60	
United Typewriter Co., inspection	9 00	
W. Lloyd Wood, chemicals	4 00	
University Press, drawing paper, stationery and supplies	68 80	
Petty items (2)	1 55	
Freight charges	7 50	
Superintendent's Dept., labor, $27.50; material, $50.30	77 80	
Apparatus ($272.63):		
Baird & Tatlock (London), apparatus	87 67	
Bausch & Lomb Optical Co., magnifier, etc.	33 54	
Ingram & Bell, apparatus	33 98	
Richards Bros., test-tube racks	21 00	
Carl Zeiss (London), microscope	78 04	
Freight charges	7 65	
Superintendent's Dept., labor, $4.90; material, $5.85	10 75	
Care of Refrigerating Plant ($293.91):		
Canadian Ice Machine Co., repairs, etc.	69 28	
Superintendent's Dept., labor, $203.85; material, $20.78	224 63	
	$2,179 41	
Less received from sale of microscope stand	10 00	
		$2,169 41

49. *Chemical Pathology.*

Supplies ($741.27):		
Allen Mfg. Co., laundry	$7 31	
Baird & Tatlock (London), pipettes	75 92	
Digestive Ferments Co., chemicals	11 00	
Ingram & Bell, chemicals, glassware and supplies	200 94	

49. *Chemical Pathology.*—Continued.

Lyman Bros. & Co., chemicals	3 87	
Merck & Co., chemicals	58 18	
Permutit Co., chemicals	4 05	
Arthur H. Thomas Co., chemicals, etc.	201 61	
Topley Co., chemicals	5 50	
University Press, ink and stencil	3 50	
Freight charges	10 70	
Superintendent's Dept., labor, $61.84; material, $96.85	158 69	
Apparatus ($642.18):		
Andrew H. Baird, apparatus	160 72	
Eimer & Amend, glassware and apparatus	30 27	
Emil Greiner Co., apparatus	44 95	
Ingram & Bell, glassware and apparatus	117 12	
F. D. Mezen, pumps	7 50	
Palo Co., apparatus	50 66	
Scientific Materials Co., glassware and apparatus	88 19	
Arthur H. Thomas Co., glassware	69 93	
Freight charges	28 85	
Superintendent's Dept., labor, $28.99; material, $15.00	43 99	
		$1,383 45

50. *Pharmacy and Pharmacology.*

Supplies and apparatus ($267.48):		
Aikenhead Hardware, drills	$1 81	
Anglers' Bait & Mfg. Co., frogs	22 35	
Beaver Flint Glass Co., glassware	10 15	
Dr. A. Brodey, disbursements:		
Hardware, oils, etc., $8.92; laundry, $8.70; animals and fodder, $4.20; glass, $1.50; sundries, $6.40	29 72	
Carnahan's Drug Store, chemicals	4 12	
T. Eaton Co., netting	4 20	
J. A. Fontaine, frogs	20 00	
Ingram & Bell, glassware and supplies	39 29	
National Drug & Chemical Co., chemicals	29 79	
Ontario Rubber Co., hose and tubing	8 60	
Wm. Staughton, fodder	30 33	
Toronto Dog and Cat Hospital, animals	8 30	
University Press, stationery and supplies	27 60	
Freight charges	3 10	
Superintendent's Dept., labor, $9.62; material, $18.50	28 12	
		$267 48

51. *Medicine.*

Charts, apparatus, microscopes, etc. ($92.76):		
J. F. Hartz Co., polygraph	$67 50	
E. Leitz, Inc., calorimeter	25 26	
		$92 76

52. *Surgery.*

Supplies and laboratory expenses ($24.30):		
Hospital for Sick Children, supplies	$6 60	
Ingram & Bell, bandages, etc.	17 70	
		$24 30

53. *Obstetrics and Gynaecology.*

Supplies and apparatus ($139.43):		
Applied Chemistry, Dept. of, alcohol, etc.	$6 15	
Ingram & Bell, apparatus and supplies	114 42	
H. C. Tugwell & Co., photographic supplies	2 16	
A. J. White & Co., dishes, etc.	6 45	
University Press, printing and supplies	10 25	
		$139 43

54. *Ophthalmology.*

(Nothing spent.)

55. *Oto-Laryngology.*

(Nothing spent.)

56. *Therapeutics.*

Supplies and apparatus ($15.22):		
Allen & Hanburys, needle	$3 80	
Ansco Co., cotton	2 62	
W. Lloyd Wood, outfit	8 70	
Freight charges	10	
		$15 22

57. *Hygiene.*

Supplies and apparatus ($450.52):		
Beaver Flint Glass Co., tubes	$24 00	
T. Eaton Co., supplies	13 10	
Mrs. M. Gratton, cleaning, 1 week	8 75	
J. F. Hartz Co., stain	7 00	
Ingram & Bell, microscopes	182 25	
W. A. Pye, microscopes	40 00	
Arthur H. Thomas Co., glassware	85 62	
Wm. Thurgarland, carpentry work	30 50	
Superintendent's Dept., labor, $29.43; material, $29.87	59 30	
Occasional Assistance ($150.00):		
Wm. Knowles	100 00	
Miss H. Finegan	25 00	
Miss O. Sheringham	25 00	
		$600 52

58. *Medical Jurisprudence.*

(Nothing spent.)

59. *Medical Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($338.05):		
Consumers' Gas co.	$338 05	
Water ($372.37):		
City Treasurer	372 37	
Caretaker's supplies ($131.33):		
Superintendent's Dept., material	131 33	
Cleaning ($913.02):		
Allen Mfg. Co., laundry	4 38	
Canadian Cleaning Co., cleaning windows	45 00	
Ontario Laundry Co., laundry	13	
Superintendent's Dept., labor	863 51	
Repairs and renewals ($1,140.50):		
Card & McConnell, exterminating rats	5 00	
Map Co., blue prints	5 25	
A. Matthews, repairs to roof	15 00	
Routery Bros., plastering	5 50	
F. E. Watson, plans	20 00	
Superintendent's Dept., labor, $716.06; material, $373.69	1,089 75	
Sundries: Installing new elevator ($1,699.62):		
City Treasurer, license	5 00	
A. Matthews, repairs to shaft and skylight	58 35	
Otis-Fensom Elevator Co., elevator	1,195 00	
R. Robertson & Sons, masonry	199 24	
Superintendent's Dept., labor, $113.83; material, $128.20	242 03	
	$4,594 89	
Less sundry credits: repairs, $31.57; cleaning, $2.00	33 57	
	$4,561 32	
Caretaker, Thos. Motton, 12 months to 30th June	800 00	
		$5,361 32

60. *Pathological Building.*

Fuel and light (supplied by Toronto General Hospital ($2,500.00): (Appropriation transferred to Suspense Account pending adjustment)	$2,500 00	
Gas and city current ($402.12):		
Consumers' Gas Co.	402 12	
Water ($210.05):		
City Treasurer	210 05	
Caretaker's supplies ($122.15):		
Superintendent's Dept., material	122 15	
Cleaning ($873.83):		
Allen Mfg. Co., laundry	3 37	
Canadian Cleaning Co., cleaning windows	27 00	
Ontario Laundry Co., laundry	45	
Superintendent's Dept., labor	843 01	
Repairs and renewals ($292.96):		
Wm. Bartlett & Son, shades	2 35	
Canadian Ice Machine Co., gauge	14 95	
City Treasurer, elevator licenses	10 00	
Map Co., blue prints	5 95	
Superintendent's Dept., labor, $181.06; material, $78.65	259 71	
	$4,401 11	
Less sundry credits: repairs	1 50	
	$4,399 61	
Caretaker, Alex. Wilson, 2 months at $750.00; 10 months at $800.00 (of which $400.00 charged as laboratory attendant)	391 68	
		$4,791 29

61. *General Expenses.*

Stationery, printing, postage and office supplies ($861.53):		
Beverley Wood Specialty Co., cases	$2 75	
The Bursar, postage supplied	177 10	
Library Bureau, card cabinet	5 76	
Might Directories, city directory	10 00	
Scythes & Co., waste	1 70	
United Typewriter Co., inspection and repairs	19 60	
University Press, calendar, printing and stationery	585 92	
Superintendent's Dept., labor. $33.41; material, $25.29	58 70	
Appropriation for Dean's Office ($590.62):		
Dr. C. K. Clarke for disbursements by him	590 62	
		$1,452 15

Special Fund for Medical Research.

Salaries ($1,200.00):		
Dr. H. K. Detweiler, Research Fellow, 12 months to 30th June (paid also in Pathology)	$1,200 00	
Laboratory expenses ($12.25):		
Prof. J. J. Mackenzie, disbursed for animals	9 00	
Petty items (2)	3 25	
Publication of reports of Research ($18.61):		
Reprints:		
American Medical Association	12 05	
Miss A. Homer	6 56	
Care of animals ($30.00):		
J. O'Donnell, 6 months at $5.00	30 00	
Charged to Medical Research Fund (Schedule 4*a*)	$1,260 86	
		$87,071 11

IV. Faculty of Applied Science.

62. *Salaries.*

Professor W. H. Ellis, Dean of Faculty, 12 mos. to 30th June .	$4,000 00	
		$4,000 00

Electrical Engineering.

T. R. Rosebrugh, Professor, 12 mos. to 30th June	$3,800 00	
H. W. Price, Associate Professor, 12 mos. to 30th June	2,700 00	
Lecturers (Sessional):		
W. S. Guest	1,600 00	
A. R. Zimmer	1,500 00	
Demonstrators (Sessional):		
R. J. Allen, at $1,000 (resigned 31st December)	375 00	
H. S. Weppler, 15th January to 30th April, at $100 a month	350 00	
Electricians:		
W. R. McKee, 12 mos. to 30th June	700 00	
A Cunningham, Assistant, 12 mos. to 30th June, at $525 (less absence 1st to 30th June)	481 25	
		$11,506 25

Mechanical Engineering.

R. W. Angus, Professor, 12 mos. to 30th June	$3,300 00	
L. M. Arkley, Assistant Professor, 12 mos. to 30th June	2,100 00	
Lecturers (Sessional):		
J. J. Traill, Hydraulics	1,900 00	
J. H. Billings, Machine Design	1,500 00	
J. H. Parkin, 7 mos., at $1,400; 5 mos. war service, half pay	1,108 32	
D. J. Thomson, Demonstrator (Sessional)	1,000 00	
F. Hickey, Machinist, 10 mos. salary	900 00	
R. Fullerton, Engineer of Experimental Plant, 12 mos. to 30th June	800 00	
Laboratory Fireman, at $60 a month:		
W. Cartwright, 27th Sept. to 11th Oct.	30 00	
R. Palmer, 12th Oct. to 1st May	402 00	
G. S. Laing, Laboratory Assistant, 12 mos. to 30th June	780 00	
		$13,820 32

Applied Mechanics.

J. McGowan, Professor, 12 mos. to 30th June	$3,200 00	
P. Gillespie, Associate Professor, 12 mos. to 30th June	2,700 00	
Assistant Professors, each 12 mos. to 30th June:		
C. R. Young, at $2,400, war service, half pay	1,200 00	
A. T. Laing (part time—paid also as Secretary to Faculty)	700 00	
R. J. Marshall, Demonstrator (Sessional)	1,100 00	
W. K. Simpson, Mechanician, 12 mos. to 30th June	1,200 00	
F. F. Hitchcock, Laboratory Attendant, 9 mos. salary	450 00	
		$10,550 00

Mining Engineering.

H. E. T. Haultain, Professor, 12 mos. to 30th June	$3,800 00	
Lecturers (Sessional):		
F. C. Dyer	1,500 00	
J. T. King	1,400 00	
E. Tozer, Laboratory Assistant, 12 mos. to 30th June	700 00	
M. O'Bryan, Laboratory Attendant, 9 mos. salary	350 00	
		$7,750 00

Metallurgical Engineering.

G. A. Guess, Professor, 12 mos. to 30th June	$3,700 00	
J. Rachwal, Laboratory Attendant, 8 mos. salary	520 00	
		$4,220 00

62. *Salaries.*—Continued.

Ferro-Metallurgy.

T. R. Loudon, Assistant Professor, at $2,300, war service, half pay	$1,150 00	
		$1,150 00

Surveying.

L. B. Stewart, Professor, 12 mos. to 30th June	$3,800 00	
W. M. Treadgold, Assistant Professor, 12 mos. to 30th June	2,400 00	
Lecturers (Sessional):		
S. R. Crerar	1,900 00	
E. W. Banting	1,600 00	
		$9,700 00

Applied Chemistry.

J. W. Bain, Professor of Chemical Engineering, 12 mos. to 30th June	$3,200 00	
Assistant Professors, each 12 mos. to 30th June:		
E. G. R. Ardagh, Analytical Chemistry	2,400 00	
M. C. Boswell, Organic Chemistry	2,400 00	
L. J. Rogers, Demonstrator (Sessional)	1,100 00	
H. M. Lancaster, Lectures in Sanitary Chemistry (Sessional—part time)	300 00	
G. E. Leworthy, Lecture Assistant and Glass-blower (Sessional)	750 00	
D. Sinclair, Laboratory Attendant, 12 mos. to 30th June	950 00	
		$11,100 00

Electro-Chemistry.

J. T. Burt-Gerrans, Lecturer (Sessional)	$1,800 00	
H. V. Ellsworth, Demonstrator (Sessional)	800 00	
A. Crosswell, Laboratory Attendant, 8 mos. salary	200 00	
		$2,800 00

Architecture.

C. H. C. Wright, Professor, 12 mos. to 30th June	$3,800 00	
A. W. McConnell, Assistant Professor at $2,300—war service, half pay	1,150 00	
H. H. Madill, Lecturer (Sessional), at $1,300—war service, half pay	650 00	
J. M. Lyle, Instructor in Architectural Design (Sessional), substitute for McConnell and Madill	1,000 00	
J. L. Banks, Instructor in Modelling (Sessional—part time)	700 00	
C. W. Jefferys, Instructor in Freehand Drawing and Water Color (Sessional—part time)	700 00	
Miss J. C. Laing, Instructor, etc., 12 mos. to 30th June	800 00	
		$8,800 00

Drawing.

C. H. C. Wright, Professor (paid as Professor of Architecture)	.....	
J. R. Cockburn, Assistant Professor, Descriptive Geometry, at $2,400—war service, half pay	$1,200 00	
W. J. Smither, Lecturer (Sessional)	1,400 00	
Demonstrators (Sessional):		
F. E. Watson	1,100 00	
O. Margison	800 00	
G. Brown, Attendant in Drafting Rooms, 9 mos. salary	550 00	
Miss F. Rothwell, Office Assistant, 15½ weeks at $10	155 00	
		$5,205 00

Engineering Physics and Photography.

G. R. Anderson, Associate Professor, 12 mos. to 30th June	$2,700 00	
G. L. Wallace, Demonstrator (Sessional)	1,000 00	
Photographers:		
A. J. Burge, 9 mos. salary	600 00	
C. Crowther, Assistant, 28½ weeks, at $14	399 00	
		$4,699 00

62. *Salaries.*—Continued.

Special Lectures.

Lecturers in Accountancy (Sessional):		
W. S. Ferguson	$600 00	
A. R. Clute	200 00	
		$800 00

Secretary's Office.

A. T. Laing, Secretary to Faculty and Librarian, 12 mos. to 30th June (paid also in Applied Mechanics)	$2,000 00	
Miss F. McMechan, Assistant to Secretary, 12 mos. to 30th June, $850; bonus for extra services, $50	900 00	
Miss R. Cave, Stenographer, 12 mos. to 30th June	700 00	
		$3,600 00
		$99,700 57

63. *Chemistry and Mining Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($408.47):		
Consumers' Gas Co.	$408 47	
Water ($138.94):		
City Treasurer	138 94	
Caretaker's supplies ($145.03):		
Superintendent's Dept., material	145 03	
Cleaning ($1,543.80):		
Allen Mfg. Co., laundry	13 78	
Canadian Cleaning Co., cleaning windows	40 00	
Ontario Laundry Co., laundry	17	
Superintendent's Dept., labor	1,489 85	
Repairs and renewals ($1,636.13):		
Armstrong Cork & Insulation Co., pipe covering	40 39	
Wm. Bartlett & Son, shades	47 93	
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator licenses	10 00	
W. E. Dillon Co., repairs to roof	45 30	
A. Matthews, repairs to roof	9 60	
Otis-Fensom Elevator Co., repairs to elevator	120 00	
Ryrie Bros., repairs to clock	3 50	
Superintendent's Dept., labor, $1,017.04; material, $332.37	1,349 41	
	$3,872 37	
Less sundry credits: repairs, $26.53; cleaning, $30.00	56 53	
	$3,815 84	
Caretaker, E. Bishop, 12 mos. to 30th June	950 00	
Messengers at $4.50 to $5.00 per week ($238.76):		
Alice Wilson, 38 weeks, 3 days	192 26	
G. Kendall, 8 weeks	36 00	
C. Wilson, 2 weeks, 2 days	10 50	
		$5,004 60

64. *Engineering Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($63.86):		
Consumers' Gas Co.	$63 86	
Water ($62.46):		
City Treasurer	62 46	
Caretaker's supplies ($140.40):		
Superintendent's Dept., material	140 40	
Cleaning ($1,246.79):		
Allen Mfg. Co., laundry	2 84	
Canadian Cleaning Co., cleaning windows	40 00	
Superintendent's Dept., labor	1,203 95	

64. *Engineering Building.*—Continued.

Repairs and renewals ($718.92):		
Armstrong Cork & Insulation Co., pipe covering	26 67	
Card & McConnell, exterminating rats	3 75	
W. E. Dillon Co., repairs to roof	127 60	
R. Robertson & Sons, masonry	14 49	
Routery Bros., plastering	1 25	
F. E. Watson, plans	4 55	
Superintendent's Dept., labor, $344.45; material, $196.16.	540 61	
	$2,232 43	
Less sundry credits, repairs	77 99	
	$2,154 44	
Caretakers ($700.00):		
W. J. Graham, 12 mos. to 30th June (reduced service)	500 00	
S. J. Apted (supervision)	200 00	
		$2,854 44

65. *Thermodynamics Building.*

Heat and light (supplied from Central Power Plant):		
Fuel for Experimental Plant ($900.00):		
Connell Anthracite Mining Co.	$900 00	
Gas and city current ($4.08):		
Consumers' Gas Co.	4 08	
Water ($71.91):		
City Treasurer	71 91	
Caretaker's supplies ($60.60):		
Superintendent's Dept., material	60 60	
Cleaning ($151.82):		
Allen Mfg. Co., laundry	4 71	
Canadian Cleaning Co., cleaning windows	20 00	
Ontario Laundry Co., laundry	19	
Superintendent's Dept., labor	126 92	
Repairs and renewals ($621.59):		
Dunlop Tire & Rubber Goods Co., hose	2 76	
Elevator Specialty Co., repairs	29 10	
A. J. Jordan, labor as fireman, 12 days	24 00	
Geo. A. Matthews, repairs to elevator	36 45	
Superintendent's Dept., labor, $269.12; material, $260.16.	529 28	
	$1,810 00	
Less sundry credits, repairs	42 44	
		$1,767 56

66. *Geodetic Observatory Building.*

Heat and light (supplied from Central Power Plant):		
Water ($10.00):		
City Treasurer	$10 00	
Caretaker's supplies ($23.43):		
Superintendent's Dept., material	23 43	
Cleaning ($120.91):		
Superintendent's Dept., labour	120 91	
Repairs and renewals ($207.88):		
Routery Bros., plastering	2 40	
F. E. Watson, plans	31 85	
Superintendent's Dept., labour, $101.33; material, $72.30	173 63	
		$362 22

67. *Electrical Engineering.*

Supplies ($1,401.80):		
Aikenhead Hardware, hardware	$113 72	
Canada Glass, Mantels & Tiles, slate	3 92	
Canadian General Electric Co., electrical supplies	19 34	
Canadian H. W. Johns-Manville Co., asbestos	32 82	

67. *Electrical Engineering.*—Continued.

Canadian National Carbon Co., carbons	6 00	
T. Eaton Co., towelling, etc.	17 86	
P. W. Ellis & Co., screw drivers	2 19	
Factory Products, Ltd., wire, etc.	43 12	
W. & J. G. Greey, castings	4 73	
Hydro-Electric Power Commission, electrical supplies	10 38	
L. E. Knott Apparatus Co., outfit	2 51	
Lester Storage & Cartage Co., cartage	2 50	
Lyman Bros. & Co., chemicals	3 76	
Macdonald Mfg. Co., tins	2 34	
National Electric Heating Co., heaters	16 80	
Northern Electric Co., coils	10 15	
Phillips Mfg. Co., glass	8 13	
Photography, Dept. of, slides and prints	4 95	
Rogers Electric Co., electrical supplies	14 34	
Prof. T. R. Rosebrugh, disbursements:		
Hardware, oils, etc., $19.41; electrical supplies, $6.67; car fares, $5.50; sundries, $13.76	45 34	
Robert Simpson Co., cork dust	4 25	
Stromberg-Carlson Telephone Mfg. Co., condensers, etc.	565 10	
Superior Mfg. Co., stamps	1 15	
Trumbull Electric Mfg. Co., electrical supplies	146 35	
Weston Electrical Instrument Co., coil	4 74	
University Press, stencil	1 50	
Freight charges	7 88	
Superintendent's Dept., labour, $182.00; material, $123.93	305 93	
Apparatus ($1,046.03):		
James G. Biddle, pump	90 62	
DeForest Radio Telephone & Telegraph Co., apparatus	60 45	
General Radio Co., apparatus	339 00	
Leeds & Northrup Co., photometer	158 33	
Manhattan Electric Supply Co., transformer	12 12	
Multi-Audi-Fone, transmitter	7 30	
Rogers Electric Co., battery	14 45	
H. Tinsley & Co., apparatus	81 00	
Weston Electrical Instrument Co., meters, etc.	257 41	
Freight charges, etc.	25 35	
Furniture, printing and incidentals ($120.72):		
Macey Office Equipment Co., fyles, etc.	48 66	
University Press, printing and stationery	23 90	
Superintendent's Dept., labour, $42.01; material, $6.15	48 16	
		$2,568 55

68. *Mechanical Engineering.*

Supplies ($609.48):		
Prof. R. W. Angus, disbursements:		
Hardware, oils, etc., $11.15; slides and blue prints, $6.80; thermometers, etc., $6.00; freight and sundries, $6.13	$30 08	
Beardmore Belting Co., belting	11 95	
Crosby Steam Gage & Valve Co., repairs	34 38	
Garlock Packing Co., pipe covering	52 24	
Henry J. Green, repairs	16 25	
Hardware Co. of Toronto, hardware	94 76	
Ingram & Bell, mercury	12 55	
Richard G. Kirby, shelving	7 00	
McColl Bros. & Co., oil	30 70	
Photography, Dept. of, slides and prints	13 95	
R. Robertson & Sons, repairs	41 62	
Students' Book Dept., books	13 25	
Wheeler & Bain, iron	4 80	
University Press, supplies	5 85	
Freight charges	4 43	
Superintendent's Dept., labour, $68.19; material, $167.48	235 67	

68. *Mechanical Engineering.*—Continued.

Apparatus ($290.60):			
H. H. Angus, cabinet		15 00	
Boving Hydraulic & Engineering Co., tachometers		45 00	
Crosby Steam Gage & Valve Co., reducing wheel		21 15	
Henry J. Green, thermometers		39 80	
Leeds & Northrup Co., apparatus		60 40	
Weston Electrical Instrument Co., meters		55 07	
Freight charges		6 24	
Superintendent's Dept., labour, $30.75; material, $17.19		47 94	
Proportion of Fuel for Experimental Plant ($412.45):			
Connell Anthracite Mining Co.		412 45	
			$1,312 53

69. *Applied Mechanics.*

Supplies ($198.29):			
Baines & Peckover, brass and steel		$78 70	
Britnell & Co., stone		3 00	
Hardware Co. of Toronto, hardware		47 07	
Office Specialty Mfg. Co., section		4 51	
Photography, Dept. of, slides		6 40	
Petty items (2)		1 61	
Superintendent's Dept., labour. $13.53; material, $43.47		57 00	
Apparatus ($169.81):			
Aikenhead Hardware, drill		6 57	
John Inglis Co., repairs to testing machine	$475 00		
Less paid in 1915-16	350 00		
		125 00	
James Robertson Co., apparatus parts		3 43	
Superintendent's Dept., labour, $20.15; material, $14.66		34 81	
			$368 10

70. *Mining Engineering.*

Supplies ($491.43):			
Aikenhead Hardware, hardware		$37 84	
J. T. Baker Chemical Co., chemicals		50 01	
T. Eaton Co., supplies		18 48	
Eureka Mineral Wool & Asbestos Co., asbestos		6 00	
J. T. King, disbursements:			
Hardware, rubber tubing, etc., $9.30; car fares, $1.00		10 30	
Lyman Bros. & Co., chemicals		24 60	
Norton Co., supplies		2 68	
Ontario Rubber Co., tubing		25 29	
T. S. Simms & Co., brushes		5 94	
Sturtevant Mill Co., discs		10 10	
Taylor Instrument Co., repairs		39 65	
University Press, paper and supplies		30 27	
Petty items (3)		3 12	
Freight charges		20 48	
Superintendent's Dept., labour, $72.43; material, $134.24		206 67	
Apparatus ($527.46):			
Braun Corporation, apparatus		75 52	
Canadian Westinghouse Co., motors		41 80	
A. Matthews, apparatus parts		115 78	
G. C. Mooring, apparatus parts		43 70	
Freight charges		2 60	
Superintendent's Dept., labour, $158.32; material, $89.74		248 06	
			$1,018 89

71. *Metallurgical Engineering.*

Supplies ($97.08):			
International Acheson Graphite Co., electrodes		$21 61	
Canadian Hoskings, Ltd., plates		10 10	
Joseph Dixon Crucible Co., crucibles		34 31	
Petty items (2)		2 87	
Freight charges		9 38	
Superintendent's Dept., labour, $9.21; material, $9.60		18 81	
Apparatus ($45.80):			
Weston Electrical Instrument Co., voltmeter		24 55	
Superintendent's Dept., labour, $17.78; material, $3.47		21 25	
			$142 88

72. *Ferro-Metallurgy.*

(Nothing spent.)

73. *Surveying.*

Supplies ($109.02):			
Carnegie Institution of Washington, catalogue		$3 59	
W. & L. E. Gurley, levels		17 18	
Prof. L. B. Stewart, petty disbursements		7 40	
Superintendent of Documents, Washington, copies		2 10	
University of Toronto Engineering Society, supplies		24 65	
Freight charges		1 80	
Superintendent's Dept., labour, $21.11; material, $31.19		52 30	
Apparatus ($342.29):			
C. F. Cole Co., planimeter		58 80	
Manhattan Electric Supply Co., Inc., telephone		21 99	
Marconi Wireless Telegraph Co. of Canada, wireless apparatus		206 50	
R. Robertson & Sons, concrete piers		55 00	
			$451 31

74. *Applied Chemistry.*

Supplies ($1,005.65):			
Prof. J. W. Bain, petty disbursements		$2 65	
J. T. Baker Chemical Co., chemicals		15 11	
Eimer & Amend, chemicals		54 38	
Eureka Mineral Wool & Asbestos Co., asbestos		8 96	
Freyseng Cork Co., corks		6 10	
Geo. M. Hendry Co., chemicals, glassware and supplies		125 61	
Wm. Kennedy & Sons, tanks		10 00	
L'Air Liquide Society, rent of cylinder, $5.25; gas, $3.75		9 00	
Lake Simcoe Ice Supply Co., ice		6 75	
Lyman Bros. & Co., chemicals		14 12	
Norman Macdonald, carborundum		7 74	
F. D. Mezen, glassware		11 40	
National Electric Controller Co., rheostats		11 74	
Nichols Chemical Co., chemicals	$72 09		
Less empties returned	33 80		
		38 29	
Ontario Rubber Co., tubing		22 57	
Photography, Dept. of, slides		1 50	
T. S. Plaskett, liquid air		3 00	
Randall-Faichney Co., thermometers		158 10	
Arthur H. Thomas Co., chemicals and glassware		338 86	
University Press, stationery		5 15	
Freight charges		18 90	
Superintendent's Dept., labour, $93.67; material, $42.05		135 72	
Apparatus ($160.35):			
American Meter Co., meters		72 50	
Peter J. Krayer, work on balances		50 00	
T. S. Plaskett, work on balances		16 75	
Weston Electrical Instrument Co., ammeter		20 15	
Freight charges		95	
		$1,166 00	
Less sundry credits:			
Alcohol supplied to various departments	$39 15		
Glass, etc.	24 50		
		63 65	
			$1,102 35

75. *Electro-Chemistry.*

Supplies ($536.29):		
Aikenhead Hardware, crucibles	$20 94	
Baker & Co., Inc., platinum wire	145 05	
(Note—$51.89 received from this firm for sale of platinum scrap paid over to Professor Rosebrugh, the platinum having been his property and the cheque erroneously credited to the Department.)		

75. *Electro-Chemistry.*—Continued.

J. T. Baker Chemical Co., chemicals	134 31	
J. T. Burt-Gerrans, disbursements:		
Laboratory and office supplies, $20.91; hardware, oils, etc., $16.49; cleaning rugs, $3.00; telegrams, $2.47; sundries, $3.50	46 37	
City Towel, Apron Supply and Laundry Co., rags	5 00	
Contractors Supply Co., fire brick	19 40	
T. Eaton Co., towels	3 96	
Eimer & Amend, chemicals	4 01	
Eureka Mineral Wool & Asbestos Co., asbestos	9 48	
H. B. Latimer, silver nitrate	8 60	
Lyman Bros. & Co., chemicals	26 47	
Ontario Rubber Co., tubing and stoppers	49 15	
Siemens Co. of Canada, oil	3 86	
University of Toronto Engineering Society, supplies	16 25	
W. W. Wells, chemicals	9 50	
University Press, printing and stationery	13 50	
Freight charges	7 94	
Superintendent's Dept., labour, $1.91; material, $10.59	12 50	
Apparatus ($902.41):		
Aikenhead Hardware, tools	41 97	
Baker & Co., Inc., apparatus	131 50	
Bausch & Lomb Optical Co., apparatus	406 68	
Beaver Flint Glass Co., tubes, etc.	16 75	
Central Scientific Co., tuner	16 60	
T. Eaton Co., stop watch	7 00	
Fletcher Mfg. Co., apparatus parts	2 65	
J. T. King, electrolytic outfit	80 00	
Charles Potter, repairs	3 00	
Weston Electrical Instrument Co., meters	79 22	
A. H. Winter-Joyner, repairs	7 95	
Freight charges	5 14	
Superintendent's Dept., labour, $89.01; material, $14.94	103 95	
		$1,438 70

76. *Architecture and Drawing.*

Architecture:		
Supplies ($165.12):		
American District Steam Co., valve	$4 29	
Art Metropole, stretcher	5 00	
Canadian Bag Co., scrim	5 25	
T. Eaton Co., supplies	11 13	
Hardware Co. of Toronto, hardware	5 16	
Ontario Lime Co., plaster paris	11 50	
Photography, Dept. of, slides and prints	5 60	
University of Toronto Engineering Society, books and pencils	12 80	
University Press, stationery and supplies	56 18	
Sundry subscriptions:		
American Architecture	12 12	
Architectural Forum	5 56	
Architectural Review	6 06	
Forbes & Co.	6 08	
John Lane Co.	5 66	
Petty items (4)	5 27	
Superintendent's Dept., labour, $2.84; material, $4.62	7 46	
Apparatus ($19.09):		
Ansco Co., camera	14 59	
Steel & Radiation, Ltd., radiators	4 50	
Assistance and models for life class ($125.75):		
F. E. Simpson, assistance	100 00	
Prof. C. H. C. Wright, paid for services of models	25 75	
	$309 96	

76. *Architecture and Drawing.*—Continued.

Drawing:		
Supplies ($125.24):		
Geo. M. Hendry Co., blackboard	$2 64	
United Typewriter Co., inspection	6 75	
University of Toronto Engineering Society, supplies	71 10	
University Press, printing and supplies	41 75	
Superintendent's Dept., material	3 00	
Printing instruction sheets ($3.10):		
University Press	3 10	
		$438 30

77. *Engineering Physics and Photography.*

Engineering Physics:		
Supplies ($210.41):		
Aikenhead Hardware, hardware	$13 45	
Prof. G. R. Anderson, disbursements:		
Postage and car fares, $3.50; sundries, $7.05	10 55	
Canadian General Electric Co., supplies	47 40	
Lake Simcoe Ice Supply Co., ice	7 01	
Lyman Bros. & Co., chemicals	24 19	
Ontario Rubber Co., tubing	4 13	
Charles Potter, thermometers, etc.	9 00	
Students' Book Dept., notebooks, etc.	8 55	
Topley Co., lamps	21 60	
University of Toronto Engineering Society, supplies	3 75	
University Press, binding, etc.	2 70	
Petty items (2)	3 03	
Superintendent's Dept., labour, $39.14; material, $15.91	55 05	
Apparatus ($191.59):		
Canadian General Electric Co., motor	19 55	
Topley Co., apparatus	168 21	
Freight charges	3 83	
	$402 00	
Photography:		
Supplies ($671.78):		
Ansco Co., supplies	$132 55	
Art Metropole, colors	2 06	
Canadian Kodak Co., films and plates	78 12	
City Towel, Apron Supply & Laundry Co., towel supply	7 46	
C. F. Cole Co., paper	39 71	
T. Eaton Co., supplies	110 21	
Hess-Ives Corporation, supplies	26 60	
Lyman Bros. & Co., chemicals	45 90	
Queen City Glass Co., glass	5 20	
J. G. Ramsey & Co., supplies	83 52	
Topley Co., lenses, lamps, etc.	57 83	
Toronto Hydro-Electric System, lamps	4 60	
University Press, stationery and supplies	15 25	
Superintendent's Dept., labour, $40.52; material, $22.25	62 77	
Apparatus ($305.59):		
Ansco Co., camera	41 51	
Hess-Ives Corporation, camera	42 65	
Palo Co., photometer	126 90	
Topley Co., apparatus	90 65	
Freight charges	3 88	
Messenger ($39.00):		
Chas. White, 8 weeks, 4 days at $4.50 per week	39 00	
	$1,418 37	
Less received for work done for various departments (including accounts receivable, $19.05)	388 05	
		$1,030 32

78. *General Expenses.*

Stationery, printing and office supplies ($622.28):		
The Bursar, postage supplied	$98 00	
T. Eaton Co., bookcase, etc.	19 10	
Prof. A. T. Laing, petty disbursements	8 01	
Remington Typewriter Co., inspection	11 25	
United Typewriter Co., inspection	9 00	
University Press, calendar, printing and stationery	473 87	
Petty items (2)	1 90	
Superintendent's Dept., labour, $1.00; material, 15c.	1 15	
		622 28
		$120,183 60

V. Faculty of Household Science.

79. *Salaries.*

Household Science Department ($7,800):		
Miss A. L. Laird, Associate Professor, 12 mos. to 30th June	$2,500 00	
Lecturers (Sessional):		
Miss L. L. Ockley (Special Course—paid also in Education)	1,500 00	
Miss W. Cruise	1,200 00	
Instructors (Sessional):		
Miss M. V. Manning (half time to Special Course)	1,000 00	
Miss E. Andrews	1,000 00	
Laboratory Assistant (Sessional) at $600:		
Miss V. B. Spinney (resigned, 30th Nov.)	150 00	
Miss M. McDonald (from 1st Dec.)	450 00	
Food Chemistry Department ($3,100):		
Miss C. C. Benson, Associate Professor of Physiological Chemistry (also Secretary to Faculty), 12 mos. to 30th June	2,500 00	
Miss M. Fraser, Instructor (Sessional)	600 00	
		$10,900 00

80. *Household Science Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($407.54):		
Connell Anthracite Mining Co.	$214 62	
Consumers' Gas Co.	192 92	
Water ($71.82):		
City Treasurer	71 82	
Caretaker's supplies ($128.39):		
Superintendent's Dept., material	128 39	
Cleaning ($1,157.65):		
Canadian Cleaning Co., cleaning windows	30 00	
Superintendent's Dept., labour	1,127 65	
Repairs and renewals ($385.62):		
Wm. Bartlett & Son, shades	1 83	
Card & McConnell, exterminating rats	6 25	
City Treasurer, elevator license	5 00	
Superintendent's Dept., labour, $211.58; material, $160.96	372 54	
Sundries: altering panelling for portrait of Mrs. Massey Treble ($122.42):		
Superintendent's Dept., labour, $103.92; material, $18.50	122 42	
	$2,273 44	
Less sundry credits: cleaning	6 00	
	$2,267 44	
Caretaker, F. Hanmer, 12 mos. to 30th June (with rooms, heat and light)	885 00	
		$3,152 44

80. *Household Science Building and Department.*—Continued.

(*b*) Maintenance of Departments:

(1) Household Science:

Laboratory supplies, including food materials, fuel for cooking, etc. ($848.50):	
R. Barron, groceries	$22 65
City Dairy Co., milk	10 00
Wm. Davies Co., provisions	64 87
T. Eaton Co., jars	9 60
E. B. Eddy Co., matches	6 70
Eimer & Amend, thermometers	67 29
Farmer's Dairy Co., milk	46 29
Harris Abattoir Co., meat and provisions	62 10
J. F. Hartz Co., microscopes and cylinders	97 80
Geo. M. Hendry Co., glassware and supplies	67 44
R. Higgins & Son, groceries, etc.	85 96
Lyman Bros. & Co., chemicals	19 01
A. Provan, groceries	300 61
Pure Gold Mfg. Co., extract	3 30
Geo. Sparrow & Co., metal	7 00
University Press, paper	2 75
Petty items (2)	2 61
Superintendent's Dept., labour	50
	$876 48
Less received from students for breakages	27 98
	$848 50
Laboratory attendance ($690.30):	
Mrs. Bowes, 9 months at $34.00	306 00
Mrs. Brightwell, 52 days at $1.40	72 80
Miss Conacher, 8 months, 5 days at $30.00	245 00
Mrs. Seymour, 7½ months (part time)	66 50
Equipment and incidentals ($122.31):	
Northern Aluminium Co., pots	13 56
Pressure Cooker Co., cooker	13 12
Toronto Hydro-Electric System, oven	50 00
United Typewriter Co., inspection	2 25
University Press, cards	3 25
Freight charges	1 45
Superintendent's Dept., labour, $13.70; material, $24.98	38 68
Use of city schools ($450.00):	
Board of Education, City of Toronto, 6 rooms at $150.00 a room (half session)	450 00
Books ($50.00):	
Students' Book Dept.	50 00

(2) Food Chemistry:

Maintenance ($341.34):	
J. T. Baker Chemical Co., chemicals	37 50
Beaver Flint Glass Co., glassware	27 25
Dr. C. C. Benson, disbursements:	
Laboratory and office supplies, $20.81; food supplies, $14.03	34 84
J. S. Chapman & Co., repairs	5 50
Dental Co. of Canada, gas	2 80
General Chemical Co., chemicals	45 35
Hanovia Chemical & Mfg. Co., spoons	2 77
Geo. M. Hendry Co., crucibles and supplies	119 15
Peter J. Krayer, repairs to balances	6 00
Lyman Bros. & Co., chemicals	19 11
Lymans, Ltd., Montreal, glassware	8 41
Students' Book Dept., books	17 00

80. *Household Science Building and Department.*—Continued.

Arthur H. Thomas Co., glassware and supplies, $107.83; less allowance for goods damaged in transit, $2.80	105 03	
University Press, labels	3 95	
Freight charges	11 82	
Superintendent's Dept., material	40	
	$446 88	
Less received from students for breakages, $81.54; sale of pamphlets, $24.00	105 54	
	$341 34	
Laboratory attendance ($188.65):		
Mrs. Seymour, services at $22.00 a month (part time)	186 50	
Mrs. Smith	2 15	
(3) General Expenses:		
Stationery, printing, office supplies and incidentals ($89.35):		
The Bursar, postage supplied	36 00	
University Press, stationery and printing	52 55	
Superintendent's Dept., material	80	
Clerical assistance ($300.00):		
Miss R. MacNachton, 22 weeks at $10.00	220 00	
Miss H. M. Barry, 6 weeks	60 00	
Miss H. Thomson, 2 weeks	20 00	
		$3,080 45
		$17,132 89

VI. Faculty of Education.

81. *Salaries.*

W. Pakenham, Professor of History and Science of Education (also Dean of Faculty), 12 mos. to 30th June	$3,800 00
Associate Professors, each 12 mos. to 30th June:	
H. J. Crawford, also Headmaster of University Schools	3,300 00
P. Sandiford	3,100 00
Lecturers in Methods; also Chief Instructors, University Schools, each 12 mos. to 30th June:	
G. A. Cornish, Science	2,600 00
J. T. Crawford, Mathematics	2,600 00
G. M. Jones, English and History	2,600 00
W. C. Ferguson, French and German	2,500 00
F. E. Coombs, Elementary Subjects	2,500 00
S. W. Perry, Art and Commercial Work	2,300 00
Assistant Instructors in University Schools:	
T. M. Porter, 12 mos. to 30th June	2,300 00
H. A. Grainger, 12 mos. to 30th June	2,300 00
J. A. Irwin, 12 mos. to 30th June	2,200 00
J. O. Carlisle, 12 mos. to 30th June	2,100 00
J. G. Workman, 12 mos. to 30th June	2,100 00
W. J. Dunlop, 12 mos. to 30th June	2,000 00
A. N. Scarrow; also Instructor in Faculty of Education, 12 mos. to 30th June	2,000 00
H. G. Manning, at $1,900 (war service, half pay)	950 00
F. Halbus, substitute for Manning, salary for 10 teaching months	1,500 00
G. A. Cline, at $1,900 (war service, half pay)	950 00
C. L. Brown, substitute for Cline, salary for 10 teaching months	1,900 00
W. L. C. Richardson, 12 mos. to 30th June	1,900 00
G. N. Bramfitt, also Instructor in Faculty of Education, at $1,900 (war service, half pay)	950 00
D. J. Gray, substitute for Bramfitt, salary for 10 teaching months	1,600 00

81. *Salaries.*—Continued

N. L. Murch, 12 mos. salary (10 payments)	1,800 00	
D. E. Hamilton, 12 mos. to 30th June	1,700 00	
E. L. Daniher, 12 mos. salary (10 payments)	1,600 00	
Miss L. L. Ockley, Instructor in Household Science (Sessional —paid also in Faculty of Household Science)	100 00	
Supervisors of Practice-teaching (Sessional):		
J. Jeffries, High Schools	100 00	
W. E. Groves, Public Schools	100 00	
Miss L. Swinarton, Stenographer in Dean's Office, 12 mos. to 30th June	750 00	
		$56,200 00

82. *Education Building and Department.*

(*a*) Maintenance of Building:		
Fuel ($2,024.73):		
Connell Anthracite Mining Co.	$982 59	
W. H. Cox Coal Co.	730 53	
Weaver Coal Co., Inc.	219 76	
Cartage:		
Britnell & Co.	57 66	
John Moran	34 19	
Light ($522.24):		
Toronto Electric Light Co.	442 70	
Consumers' Gas Co.	79 54	
Water ($109.42):		
City Treasurer	109 42	
Caretaker's supplies ($310.41):		
Superintendent's Dept., material	310 41	
Cleaning ($1,213.19):		
Canadian Cleaning Co., cleaning windows	20 00	
Superintendent's Dept., labour	1,193 19	
Repairs and renewals ($911.38):		
Wm. Bartlett & Son, shades	17 43	
Map Co., blue prints	35	
R. Robertson & Sons, repairs to boilers	52 85	
Superintendent's Dept., labour, $405.89; material, $434.86	840 75	
	$5,091 37	
Less sundry credits: cleaning, $50.50; repairs, $26.94	77 44	
	$5,013 93	
Engineer and caretaker, S. Hunter, 12 mos. to 30th June	1,200 00	
Fireman, J. Banford, 8 months, 10 days at $50.00	416 66	
Messengers, at $4.00 per week (paid also under Department):		
S. Green, 34 weeks	136 00	
I. Hurd, 18 weeks, 2 days	73 13	
		$6,839 72
(*b*) Maintenance of Department:		
Use of city schools ($3,300.00):		
Board of Education, City of Toronto, 22 rooms at $150.00 a room	$3,300 00	
Clerical assistance ($600.00):		
Miss G. Cotter, 12 months to 30th June	600 00	
Laboratory assistance ($89.00):		
S. Green, 22 weeks at $2.00, $44.00; 12 weeks at $1.50, $18.00	62 00	
I. Hurd, 18 weeks at $1.50	27 00	
Office supplies, printing, postage and incidentals ($800.96):		
The Bursar, postage supplied	140 00	
Prof. W. Pakenham, disbursements:		
Laboratory supplies and sundries, $9.92; car fares, $9.25; telegrams and long distance calls, $3.42; books, etc., $2.28	24 87	

82. *Education Building and Department.*—Continued.

"The School," bound copies	10 00	
Students' Book Dept., note books	61 20	
United Typewriter Co., duplicating machine, $120.00; typewriter inspection, $15.50	135 50	
G. T. Veal, map	5 00	
University Press, calendar, printing and stationery	419 39	
Superintendent's Dept., labour, $4.57; material, 43c.	5 00	
General supplies and apparatus for class room use, including lockers and furniture ($1,770.25):		
Wm. Bartlett & Son, repairs	$5 00	
Bausch & Lomb Optical Co., lamps	15 90	
Brigdens, Ltd., diplomas	73 00	
Canada Furniture Manufacturers, chairs	75 00	
John Caslor, sharpening saws	6 40	
Central Bird Store, material	3 00	
E. Dietzgen Co., pantograph	31 50	
T. Eaton Co., shade and supplies	74 34	
E. B. Eddy Co., matches	6 60	
Glasgow, Brook & Co., books	9 00	
Gourlay, Winter & Leeming, piano hire	26 00	
J. F. Hartz Co., chart	3 50	
Geo. M. Hendry Co., supplies	162 45	
L. E. Knott Apparatus Co., slides	8 64	
R. Laidlaw & Co., lumber	59 27	
Lyman Bros. & Co., chemicals	31 56	
Mackenzie & Co., framing pictures	143 40	
Pathescope Co., film exchange, $78.00; lamps, $10.50	88 50	
Photography, Dept. of, slides	2 50	
J. G. Ramsey & Co., plate holders	22 50	
Rogers Electric Co., supplies	2 00	
E. T. Scholey, wireless apparatus	7 00	
School Arts Publishing Co., subscription	2 25	
John A. Stokes, slides	14 75	
Students' Book Dept., books	270 55	
Robert M. Williams, engrossing diplomas	9 57	
University Press, printing annals, $175.00; foolscap and supplies, $112.92	287 92	
Petty items (2)	2 55	
Freight charges	4 45	
Superintendent's Dept., labour, $219.12; material, $102.03	321 15	
Installing time clock ($487.25):		
Superintendent's Dept., labour, $34.60; material, $452.65	487 25	
Athletics ($1,258.58):		
City Treasurer, constructing drain for rink	620 34	
Aura Lee Club, use of athletic grounds	200 00	
Dominion Regalia Co., banners	20 00	
Ryrie Bros., medals and pins	110 80	
A. G. Spalding & Bros., balls	21 00	
University Press, programmes	34 60	
Superintendent's Dept., labour, $214.10; material, $37.74	251 84	
Additional Equipment for Lunch Room ($45.27):		
T. Eaton Co., dishes, etc.	33 02	
Geo. Sparrow & Co., boiler	8 25	
Superintendent's Dept., labour, $3.59; material, 41c.	4 00	
		$8,351 31
		$71,391 03

VII. Faculty of Forestry.

83. *Salaries.*

B. E. Fernow, Professor (also Dean of Faculty), 12 mos. to 30th June	$4,000 00	
Assistant Professors, each 12 mos. to 30th June:		
W. N. Millar	2,200 00	
C. D. Howe, at $2,400, of which $1,200 charged to Botany	1,200 00	
J. H. White, Lecturer (Sessional), at $2,000, of which $500 charged to Botany	1,500 00	
Miss E. W. Mills, Stenographer in Dean's Office, 12 mos. to 30th June	650 00	
		$9,550 00

84. *Forestry Building and Department.*

(*a*) Maintenance of Building:		
Fuel ($529.71):		
Connell Anthracite Mining Co.	$529 71	
Light ($159.52):		
Toronto Electric Light Co.	121 47	
Consumers' Gas Co.	38 05	
Water ($20.98):		
City Treasurer	20 98	
Caretaker's supplies ($54.41):		
Superintendent's Dept., material	54 41	
Cleaning ($233.32):		
Allen Mfg. Co., laundry	4 25	
Canadian Cleaning Co., cleaning windows	7 00	
Ontario Laundry Co., laundry	15	
Superintendent's Dept., labour	221 92	
Repairs and renewals ($422.92):		
Wm. Bartlett & Son, shades	4 28	
A. Matthews, repairs to roof	17 55	
R. Robertson & Sons, masonry	24 95	
F. E. Watson, plans	13 65	
Superintendent's Dept., labour, $131.54; material, $230.95	362 49	
Caretakers ($637.50):		
G. Ward, 9 months at $650.00; 2 months at $600.00	587 50	
H. Lonergan, 1 month	50 00	
		$2,058 36

(Note.—For alterations to building for Botanical Department, see under Faculty of Arts.)

(*b*) Maintenance of Department:		
Laboratory supplies and apparatus ($103.54):		
Consolidated Optical Co., repairs	$16 00	
E. Dietzgen Co., plane tables	66 30	
Kalamazoo Loose-Leaf Co., binder	2 41	
Keuffel & Esser Co., tape	6 39	
Photography, Dept. of, prints	3 30	
University of Toronto Engineering Society, paper	2 00	
Petty items (2)	2 64	
Superintendent's Dept., labour, $3.80; material, 70c.	4 50	
Office expenses, printing and postage ($116.45):		
The Bursar, postage supplied	40 00	
Prof. B. E. Fernow, petty disbursements	2 30	
United Typewriter Co., inspection	9 75	
University Press, calendar and supplies	61 90	
Superintendent's Dept., material	2 50	
Fittings and Contingencies ($74.77):		
Telfer Mfg. Co., cases	8 40	
Toronto Hydro-Electric System, heater	4 30	
Petty items (4)	4 32	
Superintendent's Dept., labour, $34.32; material, $23.43	57 75	

84. *Forestry Building and Department.*—Continued.

Practice Camp, etc. ($297.55):			
Prof. W. N. Millar, disbursements: provisions, $227.15; camp outfit, instruments and utensils, $49.92; travelling and hotel expenses, $83.90; cook's wages, $96.75; livery, truckage and freight charges, $52.02; sundries, $6.45	$516 19		
Less paid by students	253 80		
		262 39	
Prof. B. E. Fernow, travelling expenses, etc.		15 70	
Northern Electric Co., wire		19 46	
			$592 31
			$12,200 67

VIII. University Extension and Social Service.

85. *University Extension.*

(*a*) Summer Session, 1916 ($1,424.89):	
Remuneration to Instructors ($1,370.00):	
Arts:	
J. Home Cameron	$250 00
W. H. Clawson	250 00
J. Satterly	320 00
J. F. T. Young	150 00
Pedagogy:	
W. Pakenham	250 00
P. Sandiford	150 00
Expenses ($54.89):	
A. H. Abbott, petty disbursements	4 89
R. Lawson, laboratory assistance, 6 weeks	30 00
Physical Dept., supplies	20 00
(*b*) Correspondence Courses between Summer Sessions ($1,021.50):	
Remuneration to Instructors:	
Faculty Entrance, Normal Entrance and Commerce ($726.50):	
J. O. Carlisle	86 00
G. A. Cornish	31 50
J. T. Crawford	120 00
S. A. Cudmore	27 50
W. C. Ferguson	16 00
W. H. Fletcher	51 00
H. A. Grainger	45 00
D. E. Hamilton	19 50
G. M. Jones	102 50
Wm. Ward	83 00
J. G. Workman	144 50
New B.A. Course ($295.00):	
J. Home Cameron	20 00
W. H. Clawson	32 00
W. A. Clemens	67 50
W. A. Kirkwood	132 00
Miss H. McMurchie	21 75
G. M. Wrong	21 75
(*c*) Teachers' Courses: (Nothing spent).	
(*d*) Local Lectures ($140.00):	

	Total Payment.	Paid by Fees.	Local Centres. Expenses.
A. H. Abbott	$5 00		
R. W. Angus	5 00		
G. S. Brett	52 00	$20 00	$12 00
E. F. Burton	15 50	5 00	5 50
St. E. de Champ	65 00	55 00	5 00
W. H. Clawson	22 50	22 50	
A. P. Coleman	14 00	5 00	4 00
F. E. Coombs	18 50		8 50

85. *University Extension.*—Continued.

C. T. Currelly	13 00	5 00	3 00
C. M. Hincks	5 00		
J. G. Hume	5 00		
M. Hutton	18 25	5 00	8 25
Franklin Johnson, Jr.	5 00		
J. J. Mackenzie	8 00		3 00
W. Pakenham	5 00		
W. A. Parks	26 00	10 00	6 00
P. Sandiford	63 55	15 00	28 55
C. B. Sissons	13 00	5 00	3 00
M. W. Wallace	20 00	5 00	10 00
J. S. Will	18 00	5 00	8 00
G. M. Wrong	12 50	5 00	2 50
	$409 80	$162 50	$107 30
Paid by Local Centres	269 80		

Paid by University	140 00	
(*e*) Office expenses ($3,141.85):		
A. H. Abbott, allowance as Secretary, 4 months at $500.00 per annum; 8 months (war service) at $250.00	$333 33	
Miss H. M. Latter, assistant secretary, 12 months to 30th June	800 00	
Clerical Assistance ($706.00):		
Miss C. McCallum, 39 weeks, 2 days at $12.50 per week, $491.50; 2 weeks at $19.25, $38.50; 6 weeks at $20.00, $120.00	650 00	
Miss A. M. Goddard, 2 weeks at $18.00	36 00	
Miss M. W. Currie, 1 week, 3 days at $13.00	20 00	
Stationery, printing, office supplies and incidentals ($1,197.75):		
The Bursar, postage supplied	269 00	
Grand & Toy, blank books	7 75	
C. W. Mack, stamp	60	
Office Specialty Mfg. Co., card and fyling cabinets ..	121 13	
Royal Typewriter Co., typewriter	98 50	
Students' Book Dept., supplies	4 35	
Toronto Weekly Railway & Steamboat Guide, subscription to "Guide"	3 00	
United Typewriter Co., copying and addressing letters, $71.11; rent of typewriter, $6.50; inspection and repairs, $9.75	87 36	
University Press, stationery, printing and supplies .	600 66	
Superintendent's Dept., labour, $3.07; material, $2.33.	5 40	
Advertising Correspondence Work and Summer Session, 1917 ($104.77):		
"The School"	100 00	
Globe Printing Co.	4 77	
		$5,728 24

86. *Social Service Courses.*

(*a*) Maintenance of Building:		
Fuel ($245.37):		
Connell Anthracite Mining Co.	$245 37	
Light ($14.19):		
Consumers' Gas Co.	14 19	
Water ($13.53):		
City Treasurer	13 53	
Caretaker's supplies ($27.53):		
Superintendent's Dept., material	27 53	
Cleaning ($484.60):		
Canadian Cleaning Co., cleaning windows	4 60	
Superintendent's Dept., labour	480 00	

86. *Social Service Courses.*—Continued.

Repairs and renewals ($258.07):			
Wm. Bartlett & Son, shades		6 25	
A. Matthews, repairs to roof		15 00	
Superintendent's Dept., labour, $168.19; material, $68.63		236 82	
		$1,043 29	
Less sundry credits: cleaning		1 00	
			$1,042 29
(*b*) Maintenance of Department:			
Franklin Johnson, Jr., remuneration as Director, $3,000.00 (paid from special donation):			
Honoraria to lecturers ($775.00):			
A. H. Burnett		$150 00	
Miss S. L. Carson		200 00	
Miss Jane Grant		150 00	
Miss H. L. Hart		150 00	
C. M. Hincks		125 00	
Clerical Assistance and Secretariat ($750.00):			
Miss A. C. McGregor, 12 mos. to 30th June		750 00	
Office supplies and general expenses ($297.35):			
The Bursar, postage supplied		77 00	
Dr. Franklin Johnson, Jr., disbursements: subscription to pamphlets, $4.59; postage and car fares, $2.84; lantern operator, $1.00; stationery and sundries, $7.49		15 92	
Macey Office Equipment Co., cabinet, desk and supplies		44 66	
Nordheimer Piano & Music Co., piano hire		22 00	
Remington Typewriter Co., inspection and repairs		6 80	
United Typewriter Co., inspection and supplies		7 15	
University Press, printing, stationery and supplies		118 82	
Attendants at Meetings:			
E. Bishop	$2 00		
E. Tozer, $2.00; operating lantern, $1.00	3 00		
		5 00	
Books ($150.00):			
Students' Book Dept.		150 00	
			$1,972 35
			$8,742 88

IX. Residences and Dining Hall.

87. *Men's Residences.*

Heat and light (supplied from Central Power Plant):	
Gas, city current and occasional fuel ($264.73):	
Connell Anthracite Mining Co., fuel	$264 73
Water ($146.13):	
City Treasurer	146 13
Caretaker's supplies ($315.75):	
Superintendent's Dept., material	315 75
Cleaning ($2,970.36):	
Allen Mfg. Co., laundry	194 58
Ontario Laundry Co., laundry	4 43
Puritan Laundry Co., laundry	174 60
Superintendent's Dept., labour	2,566 75
University Dining Hall, 200 meals supplied to cleaners as part of remuneration	30 00
Repairs and renewals ($1,662.45):	
Wm. Bartlett & Son, shades	152 81
Card & McConnell, exterminating rats	6 25
Ideal Bedding Co., repairs	7 84
Geo. B. Meadows Co., guard	10 50

87. *Men's Residences.*—Continued.

Routery Bros., plastering	9 00	
F. E. Watson, plans	25 00	
Petty items (2)	2 69	
Superintendent's Dept., labour, $826.76; material, $621.60	1,448 36	
	$5,359 42	
Less sundry credits: repairs	123 79	
		$5,235 63

88. *Women's Residences.*

Fuel ($1,794.47):		
Connell Anthracite Mining Co.	$1,794 47	
Light ($418.82):		
Consumers' Gas Co.	238 02	
Toronto Electric Light Co.	180 80	
Water ($194.80):		
City Treasurer	194 80	
Repairs and renewals ($1,616.71):		
Wm. Bartlett & Son, shades	55 56	
T. Eaton Co., cork carpet, $473.00; decorating, $48.87	521 87	
Map Co., blue prints	1 40	
R. Robertson & Sons, wall in basement	28 08	
Routery Bros., plastering	26 75	
Superintendent's Dept., labour, $575.48; material, $407.57	983 05	
	$4,024 80	
Housekeeping Account:		
Provisions and housekeeping expenses ($7,720.83):		
Mrs. W. Appleton, poultry	$27 88	
Armstrong & Paffard, groceries	1,231 26	
Canada Bread Co., bread	567 47	
Christie, Brown & Co., biscuits	5 68	
City Dairy Co., ice cream	23 10	
Geo. Coles, pastry	75 93	
Consumers' Gas Co., burners	2 40	
Wm. Dawson & Son, periodicals	6 50	
T. Eaton Co., supplies	68 14	
Farmers' Dairy Co., milk	764 58	
Gourlay, Winter & Leeming, piano hire	123 50	
E. Grainger & Co., ferns	2 25	
Gurney Foundry Co., repairs	2 60	
Harris Abattoir Co., meat and provisions	2,631 98	
H. J. Heinz Co., pickles	22 05	
J. J. Higgins, flowers	6 85	
Wm. Jay & Son, ferns	10 00	
Lake Simcoe Ice Supply Co., ice	82 28	
Geo. Lister, fruit and vegetables	582 15	
Miss L. Livingstone, disbursements: utensils, house-furnishings, stationery, etc., $28.37; postage and car fares, $20.00; food supplies, $15.03; sharpening knives, $4.65; telegrams and telephone calls, $3.76; flowers, plants and sundries, $10.73	82 54	
Maple Leaf Milling Co., flour	78 21	
Medland Bros., groceries	543 14	
Murray-Kay, aprons	20 40	
E. J. Ryan, fruit and vegetables	104 35	
Simmers' Seed Co., flowers	7 10	
F. Simpson & Sons, fish and fruit	434 21	
Geo. Sparrow & Co., repairs	4 90	
Todhunter, Mitchell & Co., coffee	81 25	
White & Co., fruit	18 75	
Whyte Packing Co., honey and provisions	81 28	
University Press, printing and stationery	28 10	
Cleaning and House Service ($4,504.50):		
Allen Mfg. Co., laundry	575 22	
Baker Carpet Cleaning Co., cleaning rugs	2 80	

88. *Women's Residences.*—Continued.

Canadian Cleaning Co., cleaning windows	25 90	
Puritan Laundry Co., laundry	4 00	
Miss L. Livingstone, agency fees	3 00	
Superintendent's Dept., cleaning material	109 07	
Pay lists, wages of servants, maids, etc.	3,774 49	
Evening Telegram, advertising for maids	10 02	
Furnishings, dishes, cutlery, etc. ($751.12):		
Canadian Wm. A. Rogers, cutlery	31 92	
T. Eaton Co., curtains, bedding and furnishings	592 40	
Gowans, Kent & Co., dishes	21 00	
Robert Simpson Co., chintz covers, etc.	62 95	
Geo. Sparrow & Co., kettle	2 50	
Albert Whale, upholstering	3 00	
W. J. Wilson, upholstering and curtains	37 35	
	$12,976 45	
Less sundry credits: laundry and occasional meals, etc.	192 14	
	$12,784 31	
Superintendent, Miss L. I. Livingstone, 12 mos. to 30th June	1,000 00	
Housekeeper:		
Miss A. M. Prangley, 2½ months to 15th September, at $800.00 per annum	166 66	
Miss L. Panton, 9½ months to 30th June	633 34	
Alterations and equipment at 184 College Street ($7,973.84):		
Alterations ($3,239.47):		
Routery Bros., plastering	275 00	
Superintendent's Dept., labour, $1,501.21; material, $1,463.26	2,964 47	
Furnishings ($4,734.37):		
Adams Furniture Co., divans and cushions	199 00	
Wm. Bartlett & Son, shades	50 16	
Canada Furniture Manufacturers, furniture	1,852 60	
T. Eaton Co., cork carpet, linoleum and bedding	788 24	
A. H. Harraden, upholstering	25 85	
Routery Bros., panelling	2 00	
Standard Bedding Co., mattresses	187 50	
W. Younger, baskets	24 00	
Superintendent's Dept., labour, $412.51; material, $195.84	608 35	
Furniture transferred from 85 St. George Street	950 00	
Freight charges	46 67	
	$26,582 95	
Less charged in Schedule 6	7,973 84	
		$18,609 11

89. *Dining Hall.*

Fuel ($246.65):		
Connell Anthracite Mining Co.	$19 15	
Elias Rogers Co.	227 50	
Light ($174.34):		
Consumers' Gas Co.	174 34	
Cleaning and House Service ($7,790.38):		
Allen Mfg. Co., laundry	421 34	
Pay lists, wages of waiters and other servants	7,369 04	
Food supplies ($21,655.42):		
Armstrong & Paffard, groceries	913 76	
Belle Ewart Ice Co., ice	183 35	
Campbell Flour Mills Co., flour	192 40	
Canada Bread Co., bread	2,108 04	
City Dairy Co., ice cream	5 72	
Clubb Coffee Co., coffee	21 70	
James Dempster, buns	3 20	
H. P. Eckardt & Co., groceries	548 08	
Farmers' Dairy Co., milk	2,987 09	

89. *Dining Hall.*—Continued.

Grand Trunk Railway System, express charges	10 23	
W. M. Gemmell, fruit	92 00	
W. Haeberlin, cake	5 00	
Harris Abattoir Co., meat and provisions	10,410 43	
R. B. Hayhoe & Co., peanuts	2 20	
H. J. Heinz Co., pickles	99 65	
Hill & Parkinson, eggs	12 47	
Geo. Lister, fruit and vegetables	970 53	
H. D. McCulloch, honey	19 80	
J. J. McLaughlin, oranges	12 50	
Medland Bros., grocers	392 47	
Wm. Neilson Co., ice cream	172 70	
P. Polito, vegetables	36 90	
S. Preston, apples	12 50	
E. J. Ryan, fruit and vegetables	716 70	
Ryley & Sons, eggs and poultry	405 42	
Miss V. M. Ryley, petty disbursements	2 33	
Robert Simpson Co., vegetables	3 00	
F. Simpson & Sons, fish and fruit	89 86	
Stronach & Son, apples	5 70	
G. Stronach, vegetables	85 60	
Todhunter, Mitchell & Co., coffee	179 28	
Chas. Topping, vegetables	21 50	
Vanluven Bros., maple syrup	37 50	
Warren Bros. & Co., groceries	99 46	
Wentworth Orchard Co., fruit	9 50	
White & Co., fruit and fish	583 74	
Whyte Packing Co., provisions	316 96	
	$21,769 27	
Less received from sale of garbage, etc.	113 85	
	$21,655 42	
Dishes, utensils and sundry expenses ($1,392.31):		
Adams Furniture Co., couch cover	2 50	
Canadian Fairbanks-Morse Co., repairs	2 80	
John Catto & Son, table linen and bedding	382 17	
Common Sense Mfg. Co., rat poison	3 00	
Diamond Cleanser, cleaning material	11 55	
Dominion Plating Co., plating	4 00	
T. Eaton Co., mats and utensils	36 40	
Evening Telegram, advertising *re* attendants	28 33	
Gas Control Co., rent of governor	9 00	
Gowans, Kent & Co., dishes	103 17	
Gurney Foundry Co., potato peeler and utensils	131 95	
W. H. Martin & Co., tumblers	49 80	
Miller & Son, flowers	12 00	
J. A. Morgan, napkins	63 50	
Northern Aluminum Co., pans	22 35	
Office Specialty Mfg. Co., bookcase	49 50	
Ratcliffe Paper Co., paper	4 80	
Miss V. M. Ryley, disbursements: utensils and sundries, $34.83; express and freight, $20.28; postage, $2.56	57 67	
Robert Simpson Co., curtains	12 48	
Geo. Sparrow & Co., utensils and repairs	54 00	
Taylor Instrument Co., thermometers	7 68	
Toronto General Hospital, medical service for injured attendant	2 50	
Women's Welcome Hostel, securing attendants	3 00	
Wrought Iron Range Co., utensils	6 58	
University Press, printing meal tickets and supplies	63 45	
Petty items (2)	2 05	
Superintendent's Dept., labour, $176.13; material, $89.95	266 08	
	$31,259 10	
Superintendent, Miss V. M. Ryley, 12 mos. to 30th June	1,250 00	
		$32,509 10

90. *University College Women's Union.*

Fuel, gas and city current ($441.06):	
Connell Anthracite Mining Co.	$238 25
Consumers' Gas Co.	202 81
Water ($13.94):	
City Treasurer	13 94
Repairs and renewals ($234.49):	
Consumers' Gas Co., piping	9 25
A. Matthews, repairs to roof	12 94
Superintendent's Dept., labour, $181.23; material, $31.07	212 30
	$689 49
Housekeeping Account:	
Provisions and housekeeping expenses ($3,027.87):	
H. Armstrong, meat and provisions	122 12
Belle Ewart Ice Co., ice	16 05
Canada Bread Co., bread	221 82
Clubb Coffee Co., coffee	106 40
Farmers' Dairy Co., milk	317 88
Glassco, Ltd., jam	40 07
Gordon, Mackay & Co., towelling	14 88
Grand & Toy, blank books and supplies	15 46
Gurney Foundry Co., cans	5 85
Harris Abattoir Co., meat and provisions	807 23
W. S. Johnston & Co., printing meal tickets	32 50
Geo. Lister, fruit and vegetables	228 45
Mrs. W. L. Shields, honey	28 00
F. Simpson & Sons, fish	54 82
Warren Bros. & Co., groceries	730 61
Miss M. C. Wrong, disbursements: food supplies, $165.31; utensils, house furnishings, etc., $52.44; towels and table napkins, $51.85; stationery and sundries, $13.03	282 63
Petty items (2)	3 10
Cleaning and house service ($1,253.01):	
Allen Mfg. Co., laundry	2 16
Canadian Cleaning Co., waxing floors and cleaning windows	45 70
Ontario Laundry Co., laundry	92 92
Superintendent's Dept., cleaning material	5 67
Pay lists, wages of servants, maids, etc., including allowances for laundry	1,093 69
Evening Telegram, advertising for maids	12 87
Magazines, etc. ($41.66):	
Albert Britnell	3 25
Wm. Dawson & Sons	20 35
W. H. Smith & Sons	15 31
Sundry newspapers	2 75
	$5,012 03
Lady Resident, Miss M. C. Wrong, 12 mos. to 30th June	1,000 00
Housekeeper, Miss E. Middleton, 10 mos. to 30th June	600 00
	$6,612 03
Alterations and furnishings at 85 St. George St. ($2,086.07):	
Alterations ($800.25):	
A. Matthews, repairs to roof	205 00
Superintendent's Dept., labour, $464.98; material, $130.27	595 25
Furnishings ($1,285.82):	
Adams Furniture Co., divans and covers	12 50
Canada Furniture Manufacturers, chairs and tables	205 20
Canadian Wm. A. Rogers, teaspoons	13 50
T. Eaton Co., linoleum	37 71
Gowans, Kent & Co., dishes	6 73
Gurney Foundry Co., utensils	24 12
Wm. Junor, dishes and glassware	164 97

90. *University College Women's Union.*—Continued.

G. H. Robinson, chairs and covers		51 00	
Standard Bedding Co., mattresses		12 50	
Miss M. C. Wrong, linen, etc., purchased		44 79	
Wrought Iron Range Co., utensils		20 57	
Freight charges		8 70	
Superintendent's Dept., labour, $164.75; material, $518.78		683 53	
		$8,698 10	
Less credit for furniture transferred to Women's Residence ($950.00), and Main Building ($113.00)	$1,063 00		
Balance of alterations and furnishings account charged to Contingencies	1,023 07		
		2,086 07	
			$6,612 03
			$62,965 87

X. (91) *Royal Ontario Museum.*

University's share of maintenance advanced to the Trustees of the Royal Ontario Museum, under 2 Geo. V., Cap. 80	$17,486 72

XI (92) *Central Light, Heat and Power Plant.*

Fuel ($29,414.09):	
Connell Anthracite Mining Co.	$1,162 12
W. H. Cox Coal Co.	25,141 90
Weaver Coal Co., Inc.	154 70
Teaming:	
Britnell & Co.	2,608 69
J. Frenceschini & Co.	14 20
John Moran	222 88
Robertson Coal & Lumber Co.	14 87
W. H. Thomson	49 73
Canadian Pacific Railway Co., demurrage on cars	45 00
	$29,414 09
City Electric Current ($1,463.64):	
Toronto Electric Light Co.	1,463 64
Water ($163.98):	
City Treasurer	163 98
Repairs and renewals, engineers' supplies and miscellaneous items ($5,348.86):	
Armstrong Cork & Insulation Co., pipe covering	306 63
Canadian Allis-Chalmers, skylights	832 16
Canadian Cleaning Co., cleaning windows	6 00
Card & McConnell, exterminating rats	3 75
Elevator Specialty Co., repairs	5 10
R. Robertson & Sons, repairs to boilers	613 14
The Superintendent, disbursements: inspection of scales, $6.50; telegrams, $3.21; travelling expenses, $6.00	15 71
Petty items (5)	5 07
Freight and duty charges	109 10
Superintendent's Dept., labour, $1,185.35; material, $2,266.85	3,452 20
Engineers, firemen and helpers ($7,861.02):	
Chief engineer, Chas. Moseley, Sr., 12 mos. to 30th June	2,000 00
Assistant engineers:	
C. S. Moseley, 12 mos. to 30th June	900 00
W. Smith, 12 mos. to 30th June, $900.00; overtime, 9 hours, $2.70	902 70
L. McMaster, 2½ mos. at $70.00 per month, $175.00; 9½ mos. to 30th June at $75.00 per month, $712.50; overtime, 4 hours, $1.20	888 70

92. *Central Light, Heat and Power Plant.*—Continued.

Firemen and helpers:		
At $65.00 per month	2,187 25	
At $52.50 per month	870 63	
At 30c. per hour	27 00	
At 27c. per hour	3 24	
At 25c. per hour	81 50	
	$44,251 59	
Less sundry credits: fuel account	29 80	
		$44,221 79

XII. (93) *Contingencies.*

City Treasurer, taxes for 1917 on lots 12, 13 and 14, University Park, $672.08; local improvement taxes for 1916 and 1917 on 11 Queen's Park, $41.36; for 1917 on 184 College Street, $20.80	$734 24	
Valuations of College Street frontages:		
Fred. J. Stewart	500 00	
H. H. Williams & Co.	664 25	
Prof. A. B. Macallum, honorarium upon retirement from the staff	2,000 00	
Mrs. Mary Johnston, compassionate allowance upon death of her husband, Professor G. W. Johnston	3,100 00	
Dunlop's, Toronto, flowers for funerals of the late Dr. James Loudon, Prof. W. H. Fraser, Dr. A. R. Gordon, Prof. G. W. Johnston and Dr. Wm. Oldright	80 00	
W. W. Dundas, motors for Dr. Loudon's funeral	14 00	
Robert W. Williams, illuminating and engrossing resolutions to families of late professors	140 50	
Preparation of Official Roll of Service ($774.64):		
Editor's remuneration ($150.00):		
Prof. G. O. Smith, 6 mos. to 30th June	150 00	
Clerical Assistance ($191.00):		
Miss A. MacGillivray, 14th March to 30th June, at $50.00 per month	180 00	
Miss M. E. Wilder, 36⅔ hours at 30c.	11 00	
Expenses ($433.64):		
The Bursar, postage supplied	120 00	
Office Specialty Mfg. Co., transfer cases, folders, etc.	91 91	
Photography, Dept. of, albums and prints	29 20	
Prof. G. O. Smith, petty disbursements	2 95	
United Typewriter Co., typewriter, $110.00; of which $55.00 charged to Registrar's office	55 00	
Robert M. Williams, lettering tablets	8 85	
University Press, printing, stationery and supplies	104 60	
Superintendent's Dept., labour, $19.53; material, $1.60	21 13	
Armorial Bearings, fees in connection with enquiry as to:		
Charles H. Athill, Richmond Herald	730 15	
John & Edward Bumpus	3 70	
Conference of Canadian Universities, dues	50 00	
Society for the Promotion of Engineering Education, dues	5 00	
University Press, cost of publishing "Federation of Canada Lectures"	369 40	
Students' Book Dept., book for committee on World History	1 35	
Mackenzie & Co., refinishing and hanging painting	43 95	
Connell Anthracite Mining Co., fuel supplied to University Y. M. C. A.	135 52	
Sundry postage accounts:		
Students' Administrative Council *re* "War Supplement"	34 00	
Sir Edmund Walker	8 44	
Dr. D. Bruce Macdonald	1 09	
Alterations and furnishings at 85 St. George Street, as detailed under University College Women's Union	1,023 07	
		$10,413 30

XIII. (94) *Capital Account Charges.*

Accountant, Supreme Court of Ontario, eighth annual payment on debenture issue of 1909	$25,260 00	
Accountant, Supreme Court of Ontario, second annual payment on debenture issue of 1915, *re* Hart House	5,975 00	
Toronto General Hospital, sixth annual payment on debenture issue of 1911, *re* Pathological Building	6,568 00	
Toronto General Hospital, sixth annual payment on debenture issue of 1911, *re* grant to Toronto General Hospital	15,157 00	
Wardrop Estate, second instalment on purchase of house, No. 8 Queen's Park	750 00	
Shoenberger Estate, first instalment on purchase of house, No. 184 College Street	500 00	
Repayment to Endowment on account of advance for construction of Central Power House, tunnels and equipment	20,208 00	
		$74,418 00
		$946,446 95

APPENDIX IV.

University Press.

Transactions for year ending 30th June, 1917.

Receipts, 1916-17		$39,196 61	
Accounts receivable on 30th June, 1917		2,392 12	
			$41,588 73
Expenditures, 1916-17 (detailed below)		$39,750 19	
Accounts written off as uncollectible		17 75	
		$39,767 94	
Value of supplies bought in advance and on hand 30th June, 1917	$2,746 00		
and work in progress	423 00		
	$3,169 00		
Less liabilities	350 00		
		2,819 00	
			36,948 94
			$4,639 79
Deduct:			
Expenditures on additions to type and equipment, charged to year's receipts (detailed below)		$1,250 19	
Purchases in advance (net) as above		2,819 00	
			4,069 19
			$570 60
Balance of 30th June, 1916			4,818 13
At credit of account 30th June, 1917 (Schedule 4*b*)			$5,388 73

Details of Expenditure, Operating Account.

R. J. Hamilton, Manager, 12 months to 30th June, $1,800.00; Allowance for clerical assistance, $200.00	$2,000 00	
Pay lists, wages of employees	19,691 37	
		$21,691 37
Supplies and General Maintenance ($18,058.82):		
Adams Cellboard Co., paper	$2 25	
Aikenhead Hardware, tires	3 36	
Alex. Anderson, rent of press	29 06	
Anstey & Butler, binding and ruling	554 87	
Art Metropole, supplies	26 70	
Ault & Wiborg, ink	12 25	
D. A. Balfour Co., carbon paper	3 25	
Barber-Ellis, paper	1,251 20	
Beardmore Belting Co., belting	18 28	
R. C. Bourne, leather covers	101 25	
Brigdens, half-tones	135 78	
W. R. Brock Co., ribbon	15 49	
Brown Bros., paper and supplies	1,779 20	
Brown-Searle Printing Co., printing	562 15	
Buntin-Reid Co., paper	1,156 90	
The Bursar, postage supplied	172 00	
Charles Bush, ink	243 60	
B. Cairns, rubber stamps	6 25	
Canada Metal Co., metal	15 00	
Canada Paper Co., paper	212 11	
Canada Printing Ink Co., ink	203 94	
E. Carroll, grinding knives	6 50	
Copp, Clark Co., binding, etc.	201 03	
Dennison Mfg. Co., labels	2 75	
John Dickinson Co., paper	486 11	
Dominion Paper Box Co., tubes	8 10	

Details of Expenditure, Operating Account.—Continued.

Elevator Specialty Co., repairs	4 20	
J. Folinsbee, metal	19 00	
W. J. Gage & Co., drawing books, paper, etc.	336 87	
Goldsmith Bros., gold leaf	16 00	
Grand & Toy, stationery	158 62	
Geo. M. Hendry Co., supplies	10 12	
R. J. Hamilton, disbursements:		
Cleaning and material, $86.69; laundry, $3.49; postage and car fares, $45.20; express and freight, $5.85; stereotype supplies and sundries, $19.49	160 72	
Imperial Oil Co., oil	16 56	
Lanston Monotype Machine Co., repairs	198 22	
Library Bureau, cards, etc.	10 07	
Liverpool, London & Globe Insurance Co., insurance premium on paper stored	13 10	
H. J. Logan, repairs	5 00	
Lowe-Martin Co., supplies	10 55	
Lyman Bros. & Co., chemicals	3 75	
Manton Bros., paper	33 01	
F. J. Metherel, elastic bands	12 50	
Miller & Richard, repairs	4 45	
J. L. Morrison Co., wire, etc.	34 45	
A. Muirhead Co., brushes	3 30	
National Typewriter Co., carbon paper and stencil	144 31	
Office Appliance Co., subscription	2 55	
Office Specialty Mfg. Co., cards and paper	10 60	
A. B. Ormsby Co., steel shutter	71 00	
Paste & Gum Co., paste	20 10	
Printers' Specialties, supplies	18 11	
Provincial Paper Mills Co., paper	7,321 88	
J. G. Ramsey & Co., trimmer	8 00	
Ratcliff Paper Co., paper	4 81	
E. & J. Richardson, leather	69 47	
R. Robertson & Sons, cutting doorway	29 05	
Shurley & Derrett, twine	2 40	
Southam Press, Montreal, printing meal tickets	37 50	
Standard Embossing Co., embossing	230 50	
W. J. Stewart, ruling	176 57	
Stuart & Foster, paste	3 75	
Students' Book Dept., stationery and supplies	145 68	
Telfer Mfg. Co., boxes	54 25	
Toronto Delivery & Cartage Co., cartage	77 64	
Toronto Type Foundry Co., supplies	104 04	
United Paper Mills, paper	41 53	
United Typewriter Co., carbon paper and stencil	153 98	
Whaley, Royce & Co., engraving	37 00	
Wickett & Smith Co., gold leaf	6 45	
Wilson, Munroe & Co., paper and supplies	157 58	
Freight charges	13 60	
Petty items (4)	5 93	
Superintendent's Dept., labor, $126.60; material, $93.49	220 09	
Heat, light and power charges under report adopted by Board:		
Heat, $92.50; electric current, $300.00; gas, $102.58	495 08	
Advertising:		
Hya Yaka	13 00	
The School	60 00	
Torontonensis, 1917	12 50	
Trinity University Review	10 00	
The Varsity	40 00	
		$18,058 82
		$39,750 19

Details of Expenditure, Plant Account.

Canada Metal Co., type	$280 77	
Lanston Monotype Machine Co., equipment	30 77	
Miller & Richard, equipment	140 01	
Patterson & Heward, tools	4 00	
Toronto Type Foundry Co., folder, etc.	794 64	
		$1,250 19

APPENDIX V.

Antitoxin Laboratory.

Transactions for year ending 30th June, 1917.

Receipts during 1916-17	$66,262 95	
Accounts receivable on 30th June, 1917	6,056 82	
		$72,319 77
Expenditures during 1916-17 (detailed below)	$54,989 76	
Sundry refunds during year	80 60	
Accounts written off as uncollectible	10 34	
		55,080 70
		$17,239 07
Balance of 30th June, 1916	$4,191 00	
Interest allowed thereon	209 55	
		4,400 55
At credit of account 30th June, 1917 (Schedule 4*b*)		$21,639 62

Details of Expenditure, Operating Account.

Salaries, wages and occasional assistance ($13,683.16):	
Dr. J. G. Fitzgerald, Director, 12 months to 30th June (paid also in Hygiene)	$2,650 00
Dr. R. D. Defries, Assistant Director, 12 months to 30th June	1,500 00
Laboratory and office assistance:	
Miss L. Hanna, 12 months to 30th June	780 00
Miss H. Lamont, 6 months at $600.00; 6 months at $720.00	660 00
Wm. Knowles, 12 months to 30th June	700 00
F. Scruby, 12 months to 30th June	700 00
Miss O. Sheringham, 1st July to 31st December, at $650.00 per annum	325 00
Miss H. Finegan, 2 months at $540.00; 4 months at $600.00	290 00
Miss E. Mitchell, 2 months at $480.00; 4 months at $540.00; 6 months at $600.00	560 00
Mrs. M. Gratton, 1st October to 30th June at $360.00 per annum	270 00
Miss D. Smith, 2 months at $300.00; 10 months at $360.00	350 00
James Smith, 12 months to 30th June	300 00
Miss M. Slute, 3 months at $240.00; 9 months at $300.00	285 00
Miss E. Slute, 1st October to 30th June at $300.00 per annum	225 00
T. Cass, 1st July to 30th September at $240.00 per annum	60 00
A. Tench, 19th October to 30th June at $240.00 per annum	168 67
Farm and stable assistance:	
B. Double, 12 months to 30th June	600 00
A. Size, 1st July to 31st August at $600.00 per annum	100 00
W. Taylor, 1st November to 15th April at $600.00 per annum	275 00
J. Sherman, 9th April to 30th June at $600.00 per annum	136 66
A. Elmer, 2 months at $480.00; 5 months at $600.00 per annum	330 00
C. Smith, 3 months at $540.00; 3 months at $600.00 per annum	285 00
F. Taylor, 19th October to 30th June at $480.00 per annum	377 33
R. Sim, 10th April to 30th June at $900.00 per annum	202 50

Details of Expenditure, Operating Account.—Continued.

Wm. Fenton, 12 months to 30th June	300 00	
S. Little, 12 months to 30th June	300 00	
K. Little, 16th April to 30th June at $240.00 per annum	50 00	
Emergency assistance:		
Miss C. Bogue, 1st July to 31st August at $25.00 per month	50 00	
Miss B. Clayton, 19th January to 15th May at $5.00 per week	78 00	
F. Cole, 16th October to 31st December at $10.00 per week	110 00	
Mrs. M. Ferris, 20½ days at $1.50	30 75	
Miss H. Finegan, 20th November to 31st December at $45.00 per month	60 00	
Mrs. M. Gratton, 13th September to 30th September at $30.00 per month	21 00	
W. R. Hamilton, verifying statements, 12 at $5.00	60 00	
Mrs. D. Heron, 10½ days at $1.50	15 75	
T. James, 1 month, $40.00; 7 weeks at $2.00, $14.00	54 00	
F. Scruby, 91 hours at 25c.	22 75	
R. Sim, 86 days at $2.00	172 00	
Mrs. R. Sim, 7½ days at $1.50	11 25	
Miss E. Slute, 1st July to 30th September at $20.00 per month, $60.00; overtime at 25c. per hour, $2.20	62 20	
C. Smith, 20th October to 31st December at $45.00 per month	108 00	
Mrs. C. Smith, 7 days at $1.50	10 50	
Mrs. A. J. Walker, 10 days at $1.50	15 00	
Payments under $10.00 (8)	21 80	
		$13,683 16
Laboratory supplies and general maintenance ($41,306.60):		
Aikenhead Hardware, hardware and scale	$243 72	
Dr. H. M. Alexander & Co., serum and containers	2,905 53	
E. Alpine, oats	26 00	
J. Alpine, horse	35 00	
Applied Chemistry Dept., alcohol	11 00	
F. S. Banks & Co., syringes, containers and stoppers	4,919 73	
Dr. E. J. Banzhaf, serum and vaccines	11,382 77	
Wm. Beasley, hay	74 70	
Beaver Flint Glass Co., glassware	31 30	
Bogert & Hopper, boxes	41 77	
M. Brennan & Sons Mfg. Co., garage	85 00	
British Acetones, Toronto, automobile, $400.00 (paid by private subscription)	.....	
R. Brown & Co., harness	5 70	
Wm. Burbidge, digging well, $27.00; pump, $20.00	47 00	
The Bursar, postage supplied	448 00	
B. Cairns, branding irons and rubber stamps	16 80	
Canadian Medical Association, reprints	5 15	
John Carlyle, tables	17 25	
John Catto & Son, cloth	5 50	
A. Churley, blacksmithing	8 26	
City Treasurer, taxes, Barton Avenue stable, $16.24; water, $4.43	20 67	
Clayton Meat Co., meat	18 80	
Collett-Sproule, boxes	175 20	
Connell Anthracite Mining Co., fuel	148 44	
Consumers' Gas Co., gas, $121.63; hot plates, $6.50	128 13	
S. Coppard, hay	120 66	
Wm. Crabb & Co., needles	65 57	
Sarah E. Cuthbert, rent of stable, Barton Avenue, 12 months to 8th October, 1917	60 00	
Cutten & Foster, hardware	29 35	
Wm. Davies Co., meat	204 14	
James Dean, rent of potato planter	12 00	
Dr. R. D. Defries, travelling expenses	110 10	
Dominion Express Co., express charges	195 68	
Dominion Glass Co., bottles	1,013 74	

Details of Expenditure, Operating Account.—Continued.

B. Double, board for farm hands	23 50
E. W. Duke, potatoes and fodder, $172.15; horses, 2 at $30.00; gasoline, $52.35	284 50
W. W. Dundas, auto hire	16 50
T. Eaton Co., waggon, $69.50; halters, $36.25; bedding, coats and supplies, $318.52	424 27
Eimer & Amend, filter paper and supplies	125 63
Fred Farr, meat	18 05
W. Fenton, loops	8 10
Firstbrook Bros., boxes and sawdust	121 20
Dr. J. G. Fitzgerald, travelling expenses, $29.10; disbursements: laboratory supplies, $234.52; animals and fodder, $55.69; farm supplies, $7.70; express, freight, etc., $211.03; customs entries, $12.30; telegrams and telephone calls, $64.75; car fares, $112.31, gasoline and horse shoes, $8.50; rural delivery box, $4.50; fuel, $6.35; labor, $5.00; postage, stationery and sundries, $18.88	770 63
W. J. R. Fowler, horses, 1 at $50.00; 1 at $45.00; 3 at $40.00; medical attendance, $15.00	230 00
W. Freeland, horses, 1 at $40.00; 1 at $25.00; 2 at $20.00; 1 at $18.00	123 00
Will Frost, anatomical drawings	20 00
Gilliland Laboratories, Inc., serum	1,628 10
Col. A. E. Gooderham, premiums of Commercial Union Assurance Co., for insurance on buildings and contents	407 95
Gooderham & Worts, barrels	16 00
Grand Trunk Railway Co., freight	331 17
Grand & Toy, fyling cases	16 64
Chas. K. Greenwald, refining plasma	118 59
Emil Greiner Co., tubes	56 81
Gutta Percha & Rubber Ltd., corks	420 93
W. R. Hamilton, travelling expenses *re* Ottawa accounts	19 95
J. F. Hartz Co., sterilizers and supplies	400 08
Health Dept., City of New York, serum	364 27
Higgins Mfg. Co., screens	9 45
Hogg & Lytle, oats	986 52
John Homley, straw	24 00
G. H. Hooper, repairs	7 65
Imperial Oil Co., gasoline	343 15
Ingram & Bell, apparatus and supplies	792 58
International Instrument Co., centrifuge	149 37
James & Sons, photographs	76 65
J. James, hay	30 00
T. James, baskets	8 50
Wm. James, hay	931 46
K. & S. Canadian Tire Co., auto tires	118 10
H. W. Knight & Bro., gasoline tank	40 00
Lake Simcoe Ice Supply Co., ice	224 68
Lannen Bros., auto hire	18 75
Linde Canadian Refrigeration Co., cylinder, $25.00; ammonia, $16.12	41 12
R. Line, horses, 1 at $55.00; 2 at $40.00; 2 at $35.00; 1 at $30.00	235 00
R. A. Lister & Co., meter, $35.00; springs, $16.85	51 85
Mrs. N. A. C. Lobb, rabbits	10 00
Lyman Bros., chemicals	39 17
W. E. Mackay, horse	35 00
C. D. Magee, boxes	390 35
Mallinckrodt Chemical Works, chemicals	300 35
Massey-Harris, waggons, sleigh and farm implements	239 97
McClary Mfg. Co., stoves	27 25
McColl Bros. & Co., soap and oil	20 38
John McGillian, carrots, $665.50; horse, $20.00	685 50
McKenzie Bros., fuel, $150.35; fencing, $100.93; piping and cement, $42.55; oats, $37.50	331 33
W. H. McKenzie, lumber	44 00
J. J. McLaughlin, demijohns	7 50

Details of Expenditure, Operating Account.—Continued.

S. J. Meek, repairs	7 00
Miller & Sons, flowers	6 00
Miller Mfg. Co., coats	20 00
Model Incubator Co., incubators	103 75
Moore Bros., fencing and hardware	98 25
C. Noble, oats	41 70
H. P. Norris, potatoes, $77.00; lambs, $20.80; horse, $10.00	107 80
Oakwood Garage, repairs	6 45
Office Specialty Mfg. Co., stool	9 00
Ontario Laundry Co., laundry	5 12
Ontario Rubber Co., tubing	12 15
Page Wire Fence Co., fencing	339 82
Parisian Laundry Co., laundry	160 67
John A. Paterson, K.C., to settle damages *re* trespass case	25 00
F. Perry, hay	128 64
D. Pike & Co., rent of tent, $70.00; repairs, $9.00	79 00
D. Potton, board of farm hands	294 30
T. Potton, board of farm hands	158 25
Powers-Weightman-Rosengarten Co., chemicals	212 33
J. W. Pratt Co., filter paper	135 26
Pringle & Booth, photographs	24 45
Provincial Treasurer, automobile licenses	20 00
W. A. Pye, instruments	12 50
M. Rawlinson, cartage	11 50
Remington Typewriter Co., inspection	7 75
Wm. Rennie Co., hoes	25 70
Richards Glass Co., glassware	30 60
Elias Rogers Co., fuel	390 35
Schultz Bros., portable building	195 50
H. B. Schmidt, oats	109 58
J. Sercombe, cartage	12 00
Shipway Iron, Bell & Wire Mfg. Co., incinerator	16 00
A. Sibbick, fencing	48 60
R. Sim, rent of farm, 1st May to 10th June, $60.00; calf, $20.00; milk, $3.20	83 20
J. A. Simmers, seeds	67 80
Robert Simpson Co., cotton	46 00
A. F. Small, mice	7 20
Stanton & Wilson, stationery	6 00
C. Stewart, boxes	14 00
James Stewart, sawdust	9 11
Stewart Products Service Station, speedometer	12 50
Sturgeons, paint	5 75
Mrs. W. Taft, refrigerator	10 00
W. Taylor, horse	20 00
Thermos Bottle Co., repairs	8 60
Arthur H. Thomas Co., chemicals and glassware	132 79
Thompson, Ahern & Co., shipping charges	26 10
Thompson & Norris Co., boxes	355 50
S. Thompson, tanks	12 00
Samuel M. Thorne, twine	95 17
Toronto General Trusts, share of local improvement taxes *re* Temperance Street stable	38 22
J. J. Turner & Sons, signs	8 75
Universal Car Co., automobile, $541.55; less credit from sale of bus, $340.00, $201.55; repairs, $3.60	205 15
W. A. Wallace, hay	274 18
W. O. Ward, meat	59 81
John Williamson, fodder	348 56
Woodbridge & Vaughan Telephone Co., service to 25th July, 1917	22 05
T. A. Woods, alcohol	6 75
Wrought Iron Range Co., boilers, utensils and repairs	196 35
University Press, printing, stationery and supplies	550 25
Items under $5.00 (34)	114 04

Details of Expenditure, Operating Account.—Continued.

Freight charges	168 90	
Superintendent's Dept., labor, $541.42; material, $406.73	948 15	
	$41,486 06	
Less sundry credits: refund of duty, $163.46; sale of truck, $9.00; sale of refrigerator, $7.00	179 46	
		$41,306 60
		$54,989 76

Statement of Dr. Fitzgerald, Director, of the value of supplies on hand 30th June, 1917.

Biological Products:	
Antitoxins, serums, vaccine, etc.	$9,801 90
Animals:	
Horses, rabbits, guinea pigs	2,614 25
Laboratory supplies:	
Chemicals, glassware, stationery, etc.	2,673 76
	$15,089 91

APPENDIX VI.

Superintendent's Stores and Sundry Labor Account.

Ledger balance, 30th June, 1916		$2,266 43
Purchases during 1916-17:		
Advance Oil & Supply Co., oil and cleaning material	$31 62	
Aikenhead Hardware, hardware	281 31	
Armstrong Cork & Insulation Co., pipe covering	19 14	
Babcock & Wilcox, gauge glasses and washers	39 28	
Baines & Peckover, iron and steel	138 91	
Basters, Jackson Co., lamps	46 42	
Batts, Ltd., lumber	228 66	
Beardmore Belting Co., belting	28 75	
Wm. Blaikie, castings	21 25	
Blaisdell Machinery Co., connecting rod	12 60	
N. Brenner & Co., pipe	14 60	
W. R. Brock Co., towels and cloth	132 78	
Canada Hardware, hardware	703 83	
Canada Metal Co., lead	13 79	
Canada Pipe & Steel Co., boiler, valves and pipe	433 51	
Canada Wire & Cable Co., cable	19 20	
Canadian H. W. Johns-Manville Co., pipe covering, felt and cement	120 73	
Canadian Powers Regulator Co., regulator, etc.	65 40	
Canadian Westinghouse Co., fans	24 00	
Canadian Yale & Towne, tools	6 83	
Collett's Carriage Works, forgings	36 40	
Consumers' Gas Co., lamp standard	5 00	
Cooke & Boulton, wax	67 50	
Cox & Andrew, letter signs	6 00	
Jas. Devonshire, Ltd., lamps	225 54	
Diamond Cleanser Mfg. Co., cleaning material	25 65	
W. E. Dillon Co., iron box and pipe	7 00	
Henry Disston & Sons, saws and knife	9 72	
Dominion Bridge Co., steel beam	17 70	
Dominion Ironite Co., waterproofing	27 00	
Dominion Radiator Co., steamfitters' supplies	1,627 38	
C. A. Dunham Co., traps, etc.	173 46	
C. Dupre Co., lumber	15 45	
Eagle Lock Co., locks and keys	86 80	
T. Eaton Co., linen, towelling, mats, etc.	234 99	
H. P. Eckardt & Co., soap, matches, etc.	203 75	
E. B. Eddy Co., toilet paper	489 40	
Elevator Specialty Co., parts	27 00	
Empire Brush Co., mop cloths and brooms	183 53	
Factory Products, electrical supplies	2,249 47	
Fletcher Mfg. Co., dust pans	10 50	
Garlock Packing Co., asbestos	227 92	
General Electric Co., motor	23 55	
Gillespie Bros., valves	30 00	
Gurney Foundry Co., range, carving table and sink	281 64	
T. H. Hancock, lumber	1,682 65	
Hardware Company of Toronto, hardware	321 59	
Geo. M. Hendry Co., chalk	61 47	
High Grade Oil Co., soap	575 90	
Interlake Tissue Mills, towels	306 00	
Warden King, radiators and pipe	1,614 17	
R. Laidlaw & Co., lumber	704 96	
John Leckie, rope and canvas	60 20	
Rice Lewis & Son, iron	8 75	
J. T. W. Low, felt	10 60	
Lyman Bros. & Co., chamois	22 74	
Matthews Bros. & Co., moulding	27 42	
A. Matthews, pipe	150 98	
N. Macdonald, emery wheels and paper	9 18	
McColl Bros. & Co., oil	127 25	
Geo. B. Meadows Co., iron bars, etc	25 50	

Superintendent's Stores and Sundry Labour Account.—Continued.

Metropolitan Engineering Co., cabinets	5 48	
Jas. Morrison Brass Mfg. Co., plumbers' supplies	1,158 32	
H. Mueller Mfg. Co., valves	100 39	
A. Muirhead Co., painters' supplies	173 69	
Munderloh & Co., lamps	1,635 25	
Murphy Iron Works, furnace parts	271 93	
National Typewriter Co., carbon	30 00	
Northern Electric Mfg. Co., electrical supplies	781 37	
Ontario Lime Co., lime and cement	145 90	
Ontario Rubber Co., rubber	9 70	
Otis-Fensom Elevator Co., supplies	14 00	
E. A. Paradine, master clock	460 00	
N. L. Piper Railway Supply Co., oil	24 60	
Queen City Brass Foundry, castings	24 13	
Reid & Brown Structural Steel & Iron Works, steel and castings	305 38	
Rogers Electric Co., electrical supplies	9 25	
Roofers' Supply Co., roofing	13 26	
Roovers Bros., aluminum	9 32	
Russill Hardware Co., scale	7 00	
Sanderson Pearcy & Co., painters' supplies	1,699 86	
Scythes & Co., waste	50 31	
Sheet Metal Products Co., galvanized iron	48 14	
Shelton Electric Co., heaters	9 84	
Robert Simpson Co., wall paper	28 65	
Solway & Cohen, pipe	100 10	
Standard Foundry Co., castings	96 47	
Standard Sanitary Mfg. Co., plumbers' supplies	1,271 48	
Sturgeons, paint	13 00	
Talbot & Talbot, mop cloths	54 00	
W. H. Taylor, brooms and brushes	184 64	
Toronto Auto Accessory House, spot light	5 85	
Toronto Brass Mfg. Co., brackets, locks, etc.	132 10	
Toronto Disinfectant Co., disinfectant	37 49	
Toronto Electric Light Co., heater	8 50	
Toronto Welding Co., welding	10 50	
Toronto Wood Turning Works, patterns	9 82	
Triplex Weather Strip Co., weather-stripping	90 27	
University Press, supplies	9 83	
A. R. Williams Machinery Co., pulleys	30 69	
Freight and duty charges	82 54	
Items under $5.00 (26)	63 93	
		$23,601 30
		$25,867 73
Sundry Labour, as per pay lists:		
Carpenters	$8,586 50	
Electricians	5,902 71	
Painters	2,920 68	
Plumbers and steamfitters	6,264 19	
Labourers, firemen, etc.	10,163 31	
Cleaners	16,762 36	
		$50,599 75
		$76,467 48

Apportionment of the foregoing:

	Labour.	Material.
Administration ($10,353.46):		
Bursar's Office	.....	$4 75
Registrar's Office	.....	15 00
Superintendent's Office	$5 19	6 45
Library Building	989 99	261 67
Library Current	42 14	39 21
Gymnasium Building	452 75	156 33
Convocation Hall	776 95	241 90

Apportionment.—Continued.

	Labour.	Material.
Grounds	6,861 54	468 34
Examinations	7 50	.....
Convocation expenses	20 15	3 60
Faculty of Arts ($15,027.84):		
Main Building	3,605 90	1,093 57
Biological Building	1,287 78	432 95
Biological Department	265 27	231 49
Botanical Department	1,563 07	1,726 96
Bio-Chemical Department	54 04	36 75
Physiological Department	99 32	139 59
Chemical Building	957 87	248 84
Chemical Department	187 05	272 26
Physical Chemistry Department	15 79	14 98
Physics Building	1,512 78	380 11
Physical Department	256 10	163 98
Astro-Physical Department	176 69	42 94
Geological Department	54 53	23 15
Mineralogical Department	16 39	8 47
Psychological Department	58 13	22 07
Mathematical Department	54 61	12 63
Mechanics Department	8 27	2 26
Italian and Spanish	.....	1 25
Faculty of Medicine ($4,362.91):		
Anatomical Department	68 25	81 19
Pathological Department	236 25	76 93
Chemical Pathology Department	90 83	111 85
Pharmacy Department	9 62	18 50
Hygiene Department	29 43	29 87
Medical Building	1,693 40	633 22
Pathological Building	1,024 07	200 80
General Expenses	33 41	25 29
Faculty of Applied Science ($7,562.22):		
Chemistry and Mining Building	2,506 89	477 40
Engineering Building	1,548 40	336 56
Thermodynamics Building	396 04	320 76
Observatory Building	222 24	95 73
Electrical Engineering Department	224 01	130 08
Mechanical Engineering Department	98 94	184 67
Applied Mechanics Department	33 68	58 13
Mining Engineering Department	230 75	223 98
Metallurgical Engineering Department	26 99	13 07
Surveying Department	21 11	31 19
Applied Chemistry Department	93 67	42 05
Electro-Chemistry Department	90 92	25 53
Department of Architecture and Drawing	2 84	7 62
Department of Engineering Physics and Photography	79 66	38 16
General Expenses	1 00	15
Faculty of Household Science ($1,791.38):		
Household Science Building	1,443 15	307 85
Household Science Department	14 20	26 18
Faculty of Education ($3,830.25):		
Education Building	2,015 74	745 27
Education Department	475 98	593 26
Faculty of Forestry ($703.57):		
Forestry Building	353 46	285 36
Forestry Department	38 12	26 63
University Extension and Social Service Courses ($749.75):		
University Extension	3 07	2 33
Social Service Building	648 19	96 16
Residences and Dining Hall ($5,907.03):		
Men's Residences	3,393 51	937 35
Women's Residence Buildings	575 48	407 57
Women's Residence Housekeeping Account	.....	109 07
Dining Hall	176 13	89 95

Apportionment.—Continued.

	Labour.	Material.	
University College Women's Union Building	181 23	31 07	
University College Women's Union Housekeeping Account	.....	5 67	
Royal Ontario Museum	3,554 68	1,503 70	
Central Power Plant	4,354 97	2,266 85	
University Press	126 60	93 49	
Antitoxin Laboratory	541 42	406 73	
Alterations and repairs to sundry properties, various incidental accounts, etc.	2,085 12	1,833 81	
Work done for members of the staff, etc. (including accounts receivable on 30th June, $777.96)	2,526 50	3,563 60	
Sundry cash sales	.....	185 73	
	$50,599 75	$22,731 86	$73,331 61
Ledger balance, 30th June, 1917 (Schedule 5*a*)			$3,135 87

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